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Restore

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DATE: Tuesday, August 24, 2004

Hide?	Set Name	Query	Hit Count
	<i>DB=USPT; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L8	= 1999	11
<input type="checkbox"/>	L7	= 1999	108
<input type="checkbox"/>	L6	L4 AND 435/325.CCLS.	382
<input type="checkbox"/>	L5	L4 AND 435.325.CCLS.	0
<input type="checkbox"/>	L4	L1 AND L2 AND L3	1573
<input type="checkbox"/>	L3	neural	19507
<input type="checkbox"/>	L2	fetal OR embryonic	32010
<input type="checkbox"/>	L1	(porcine OR pig)	47020

END OF SEARCH HISTORY

# Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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## Search Results - Record(s) 1 through 100 of 108 returned.

☐ 1. Document ID: US 6008434 A

L7: Entry 1 of 108

File: USPT

Dec 28, 1999

US-PAT-NO: 6008434

DOCUMENT-IDENTIFIER: US 6008434 A

TITLE: Growth differentiation factor-11 transgenic mice

DATE-ISSUED: December 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Se-Jin	Baltimore	MD		
McPherron; Alexandra C.	Baltimore	MD		

US-CL-CURRENT: 800/18; 435/320.1, 435/325, 435/455, 435/463, 800/21, 800/22, 800/25

ABSTRACT:

A transgenic mouse whose genome comprises a disruption of the endogenous growth differentiation factor-11 (GDF-11) gene is disclosed. Also disclosed are methods for making such mice. The mice exhibit a phenotype of increased muscle tissue.

5 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Dram. Des.
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☐ 2. Document ID: US 6004815 A

L7: Entry 2 of 108

File: USPT

Dec 21, 1999

US-PAT-NO: 6004815

DOCUMENT-IDENTIFIER: US 6004815 A

TITLE: Bacteria expressing nonsecreted cytolysin as intracellular microbial delivery vehicles to eukaryotic cells

DATE-ISSUED: December 21, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Portnoy; Daniel A.	Berkeley	CA		
Higgins; Darren E.	Berkeley	CA		

h e b b cg b cc e

US-CL-CURRENT: 435/454; 424/200.1, 435/252.3, 435/252.33, 435/325, 435/373

## ABSTRACT:

The invention provides methods and compositions relating to intracellular delivering of agents to eukaryotic cells. The compositions include microbial delivery vehicles such as nonvirulent bacteria comprising a first gene encoding a nonsecreted foreign cytolsin operably linked to a heterologous promoter and a second gene encoding a different foreign agent. The foreign agent may be a nucleic acid or protein, and is frequently bioactive in and therapeutic to the target eukaryote. In addition, the invention provides eukaryotic cells comprising the subject nonvirulent bacteria and nonhuman eukaryotic host organisms comprising such cells.

33 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 3. Document ID: US 6004778 A

L7: Entry 3 of 108

File: USPT

Dec 21, 1999

US-PAT-NO: 6004778

DOCUMENT-IDENTIFIER: US 6004778 A

TITLE: Embryogenesis protein

DATE-ISSUED: December 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 514/12, 530/350, 536/23.1, 536/23.5

## ABSTRACT:

The invention provides a human embryogenesis protein (EMPRO) and polynucleotides which identify and encode EMPRO. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of EMPRO.

11 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 4. Document ID: US 6001654 A

L7: Entry 4 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001654

DOCUMENT-IDENTIFIER: US 6001654 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for differentiating neural stem cells to neurons or smooth muscle cells using TGT-.beta. super family growth factors

DATE-ISSUED: December 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Shah; Nirao M.	New York	NY		

US-CL-CURRENT: 435/377; 435/325, 435/352, 435/353, 435/368, 435/375

## ABSTRACT:

Method for producing a population of mammalian neurons and/or smooth muscle cells comprising contacting at least one mammalian neural stem cell with a culture medium containing one or more growth factors from the TGF-.beta. super family and detecting the differentiation of stem cell to a population of neurons or smooth muscle cells.

22 Claims, 25 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 5. Document ID: US 6001594 A

L7: Entry 5 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001594

DOCUMENT-IDENTIFIER: US 6001594 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Human testin

DATE-ISSUED: December 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lal; Preeti	Santa Clara	CA		
Guegler; Karl J.	Menlo Park	CA		
Corley; Neil C.	Mountain View	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/6, 530/350, 536/23.1, 536/23.5

## ABSTRACT:

The invention provides a human testin (HTES) and polynucleotides which identify and encode HTES. The invention also provides expression vectors, host cells, antibodies,

h e b b cg b cc e



agonists, and antagonists. The invention also provides methods for treating or preventing disorders associated with expression of HTES.

11 Claims, 2 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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☐ 6. Document ID: US 6001575 A

L7: Entry 6 of 108

File: USPT

Dec 14, 1999

US-PAT-NO: 6001575  
DOCUMENT-IDENTIFIER: US 6001575 A

TITLE: Therapeutic uses of grip and grip-related molecules

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Huganir; Richard L.	Baltimore	MD		
Dong; Hualing	Baltimore	MD		

US-CL-CURRENT: 435/6; 435/253.2, 435/320.1, 435/325, 435/69.1, 530/300, 530/350,  
536/23.1

ABSTRACT:

This invention features GRIP and GRIP-related molecules relating to a glutamate receptor. In one aspect, the invention provides methods for detecting expression, drug screening, and treatment of disorders involving GRIP or GRIP 2 such as neuronal and fertility disorders.

34 Claims, 75 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 76

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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☐ 7. Document ID: US 5994618 A

L7: Entry 7 of 108

File: USPT

Nov 30, 1999

US-PAT-NO: 5994618  
DOCUMENT-IDENTIFIER: US 5994618 A

TITLE: Growth differentiation factor-8 transgenic mice

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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h e b b cg b cc e

US-CL-CURRENT: 800/18; 435/320.1, 435/325, 435/455, 435/463, 800/21, 800/22, 800/25

5 Claims, 25 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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Nov 30, 1999

**\*\* See image for Certificate of Correction \*\***

DATE-ISSUED: November 30, 1999

NAME	CITY	STATE	ZIP CODE	COUNTRY
Selden; Richard F	Wellesley	MA		
Treco; Douglas	Arlington	MA		
Heartlein; Michael W.	Boxborough	MA		

US-CL-CURRENT: 435/325; 435/357, 435/366, 536/23.1

The present invention relates to transfected primary and secondary somatic cells of vertebrate origin, particularly mammalian origin, transfected with exogenous genetic material (DNA) which encodes erythropoietin or an insulintropin [e.g., derivatives of glucagon-like peptide 1 (GLP-1)], methods by which primary and secondary cells are transfected to include exogenous genetic material encoding erythropoietin or an insulintropin, methods of producing clonal cell strains or heterogenous cell strains which express erythropoietin or an insulintropin, methods of gene therapy in which the transfected primary or secondary cells are used, and methods of producing antibodies using the transfected primary or secondary cells. The present invention includes primary and secondary somatic cells, such as fibroblasts, keratinocytes, epithelial cells, endothelial cells, glial cells, neural cells, formed elements of the blood, muscle cells, other somatic cells which can be cultured and somatic cell precursors, which have been transfected with exogenous DNA encoding EPO or an insulintropin, which is stably integrated into their genomes or is expressed in the cells episomally.

25 Claims, 8 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 9. Document ID: US 5989866 A

L7: Entry 9 of 108

File: USPT

Nov 23, 1999

US-PAT-NO: 5989866  
DOCUMENT-IDENTIFIER: US 5989866 A

TITLE: FGF homologs

DATE-ISSUED: November 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Deisher; Theresa A.	Seattle	WA		
Conklin; Darrell C.	Seattle	WA		
Raymond; Fenella	Seattle	WA		
Bukowski; Thomas R.	Seattle	WA		
Holderman; Susan D.	Kirkland	WA		
Hansen; Birgit	Seattle	WA		
Sheppard; Paul O.	Redmond	WA		

US-CL-CURRENT: 435/69.4; 435/243, 435/320.1, 435/325, 536/23.51

ABSTRACT:

The present invention relates to polynucleotide and polypeptide molecules for zFGF-5 a novel member of the FGF family. The polypeptides, and polynucleotides encoding them, are proliferative for muscle cells and may be used for remodelling cardiac tissue and improving cardiac function. The present invention also includes antibodies to the zFGF-5 polypeptides.

15 Claims, 3 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 10. Document ID: US 5989822 A

L7: Entry 10 of 108

File: USPT

Nov 23, 1999

US-PAT-NO: 5989822  
DOCUMENT-IDENTIFIER: US 5989822 A

TITLE: ATP synthase subunit homolog

DATE-ISSUED: November 23, 1999

h e b b cg b cc e

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tang; Y. Tom	San Jose	CA		
Corley; Neil C.	Mountain View	CA		
Guegler; Karl J.	Menlo Park	CA		
Baughn; Mariah R.	San Leandro	CA		

US-CL-CURRENT: 435/6; 435/183, 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.2, 536/23.5

## ABSTRACT:

The invention provides a human ATP synthase subunit homolog (ASYNT) and polynucleotides which identify and encode ASYNT. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of ASYNT.

9 Claims, 5 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 11. Document ID: US 5981263 A

L7: Entry 11 of 108

File: USPT

Nov 9, 1999

US-PAT-NO: 5981263

DOCUMENT-IDENTIFIER: US 5981263 A

TITLE: Human matrilin-3

DATE-ISSUED: November 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Shah; Purvi	Sunnyvale	CA		
Kaser; Matthew	Castro Valley	CA		

US-CL-CURRENT: 435/252.3; 435/254.2, 435/320.1, 435/325, 435/69.1, 536/23.5, 536/24.31

## ABSTRACT:

The invention provides a human matrilin-3 (MAT-3) and polynucleotides which identify and encode MAT-3. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of MAT-3.

8 Claims, 20 Drawing figures  
Exemplary Claim Number: 1

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Number of Drawing Sheets: 18

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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☐ 12. Document ID: US 5981222 A

L7: Entry 12 of 108

File: USPT

Nov 9, 1999

US-PAT-NO: 5981222

DOCUMENT-IDENTIFIER: US 5981222 A

TITLE: Human semaphorin E, secreted proteins and polynucleotides encoding them

DATE-ISSUED: November 9, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobs; Kenneth	Newton	MA		
McCoy; John M.	Reading	MA		
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
Merberg; David	Acton	MA		
Treacy; Maurice	Chestnut Hill	MA		
Spaulding; Vikki	Billerica	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 530/300, 530/350, 536/23.1, 536/23.5

## ABSTRACT:

Novel polynucleotides and the proteins encoded thereby are disclosed.

18 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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☐ 13. Document ID: US 5976853 A

L7: Entry 13 of 108

File: USPT

Nov 2, 1999

US-PAT-NO: 5976853

DOCUMENT-IDENTIFIER: US 5976853 A

TITLE: Growth factor inducible serine/threonine phosphatase FIN13

DATE-ISSUED: November 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Guthridge; Mark A.	New York	NY		
Basilico; Claudio	New York	NY		

h e b b cg b cc e

US-CL-CURRENT: 435/196; 435/195, 435/235.1, 435/252.3, 435/252.33, 435/320.1,  
435/325, 536/23.1, 536/23.2, 536/23.5

## ABSTRACT:

A novel serine/threonine phosphatase, FIN13, which includes a collagen-homology domain, an acidic box domain, a catalytic domain, and a putative nuclear translocation sequence. The present invention further relates to the modulation of cellular proliferation, by regulating the activity of the novel serine/threonine phosphatase. Thus, the invention provides the phosphatase, nucleic acids encoding the phosphatase, oligonucleotides specific for such nucleic acids, antibodies to the phosphatase, and methods for increasing (or decreasing) the activity of the phosphatase to inhibit (or enhance) cellular proliferation and, thus, tissue growth. Various diagnostic and therapeutic aspects of the invention particularly relate to detection and treatment of hyperproliferative disorders, neoplasms, and tumors. In specific examples, FIN13 is expressed in proliferating cells, notably germ cells of the testes. Increased levels of expression of FIN13 in transfected cells results in a decrease in the cell growth rate.

16 Claims, 16 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 14

Full	Title	Citation	Front	Review	Classification	Data	Reference	Claims	KMIC	Draw Desc
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☐ 14. Document ID: US 5976852 A

L7: Entry 14 of 108

File: USPT

Nov 2, 1999

US-PAT-NO: 5976852

DOCUMENT-IDENTIFIER: US 5976852 A

TITLE: K.kappa./..mu.-like protein tyrosine phosphatase, PTP .lambda.

DATE-ISSUED: November 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cheng; Jill	Burlingame	CA		
Lasky; Laurence A.	Saulito	CA		

US-CL-CURRENT: 435/196; 435/252.3, 435/320.1, 435/325, 536/23.2

## ABSTRACT:

This invention concerns novel receptor protein tyrosine phosphatase polypeptides. Specifically, this invention concerns the novel receptor protein tyrosine phosphatase .lambda. which is related to the homotypically adhering receptor protein tyrosine phosphatases .kappa. and ..mu.. The invention further relates to analogs of these polypeptides in other mammals, functional derivatives thereof, antibodies which are capable of specifically binding to these polypeptides, nucleic acids encoding these polypeptides, vectors containing and capable of expressing such nucleic acid and recombinant host cells transformed with such nucleic acid. Methods for the recombinant production of these receptor protein tyrosine phosphatase polypeptides and assays for identifying agonists and antagonists of these polypeptides are also within the scope of the invention.

8 Claims, 9 Drawing figures

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Exemplary Claim Number: 1  
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 15. Document ID: US 5969110 A

L7: Entry 15 of 108

File: USPT

Oct 19, 1999

US-PAT-NO: 5969110  
DOCUMENT-IDENTIFIER: US 5969110 A

TITLE: Antibodies that bind hek ligands

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Beckmann; M. Patricia	Poulsbo	WA		
Cerretti; Douglas P.	Seattle	WA		

US-CL-CURRENT: 530/387.9; 435/325, 435/326, 435/331, 435/335, 530/387.1, 530/388.1,  
530/388.23, 530/389.1, 530/389.2

ABSTRACT:

Antibodies specific for a hek-L may be generated, using a hek-L polypeptide or fragment thereof as an immunogen. The antibodies may be monoclonal.

23 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 16. Document ID: US 5968770 A

L7: Entry 16 of 108

File: USPT

Oct 19, 1999

US-PAT-NO: 5968770  
DOCUMENT-IDENTIFIER: US 5968770 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Compositions and methods for the treatment and diagnosis of cardiovascular disease using rchd523 as a target

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		
Gimbrone, Jr.; Michael A.	Jamaica Plain	MA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/455, 435/6, 435/7.1, 514/44,

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536/23.1, 536/24.1, 536/24.3

## ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

18 Claims, 40 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KINC	Draw Des
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☐ 17. Document ID: US 5965369 A

L7: Entry 17 of 108

File: USPT

Oct 12, 1999

US-PAT-NO: 5965369

DOCUMENT-IDENTIFIER: US 5965369 A

TITLE: Human succinyl-coenzyme a synthetase holoenzyme

DATE-ISSUED: October 12, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 435/6; 435/252.3, 435/320.1, 435/325, 536/23.2

## ABSTRACT:

The invention provides human succinyl-CoA synthetase holoenzyme (SCSH) and polynucleotides which identify and encode SCSH. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of SCSH.

10 Claims, 4 Drawing figures

Exemplary Claim Number: 1

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Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 18. Document ID: US 5962322 A

L7: Entry 18 of 108

File: USPT

Oct 5, 1999

US-PAT-NO: 5962322

DOCUMENT-IDENTIFIER: US 5962322 A

TITLE: Methods for modulation of cholesterol transport

DATE-ISSUED: October 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kozarsky; Karen	Philadelphia	PA		
Rigotti; Attilio	Malden	MA		
Krieger; Monty	Needham	MA		

US-CL-CURRENT: 435/375; 424/9.1, 424/9.2, 435/235.1, 435/320.1, 435/325, 435/361,  
435/455, 435/456, 435/458, 435/471, 514/12, 514/144, 514/2, 536/23.5

## ABSTRACT:

Methods for regulation of lipid and cholesterol uptake are described which are based on regulation of the expression or function of the SR-BI HDL receptor. The examples demonstrate that estrogen dramatically downregulates SR-BI under conditions of tremendous upregulation of the LDL-receptor. The examples also demonstrate the upregulation of SR-BI in rat adrenal membranes and other non-placental steroidogenic tissues from animals treated with estrogen, but not in other non-placental non-steroidogenic tissues, including lung, liver, and skin. Examples further demonstrate the uptake of fluorescently labeled HDL into the liver cells of animal, which does not occur when the animals are treated with estrogen. Examples also demonstrate the in vivo effects of SR-BI expression on HDL metabolism, in mice transiently overexpressing hepatic SR-BI following recombinant adenovirus infection. Overexpression of the SR-BI in the hepatic tissue caused a dramatic decrease in cholesterol blood levels. These results demonstrate that modulation of SR-BI levels, either directly or indirectly, can be used to modulate levels of cholesterol in the blood.

10 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 19. Document ID: US 5958731 A

L7: Entry 19 of 108

File: USPT

Sep 28, 1999

US-PAT-NO: 5958731

DOCUMENT-IDENTIFIER: US 5958731 A

**\*\* See image for Certificate of Correction \*\***

h e b b cg b cc e

TITLE: Cell junction PDZ protein

DATE-ISSUED: September 28, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yue; Henry	Sunnyvale	CA		
Au-Young; Janice	Berkeley	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 530/350, 536/23.1, 536/23.5

## ABSTRACT:

The invention provides a human cell junction PDZ protein (CJPDZ) and polynucleotides which identify and encode CJPDZ. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating, or preventing disorders associated with expression of CJPDZ.

9 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 20. Document ID: US 5955595 A

L7: Entry 20 of 108

File: USPT

Sep 21, 1999

US-PAT-NO: 5955595

DOCUMENT-IDENTIFIER: US 5955595 A

TITLE: Cell death regulators

DATE-ISSUED: September 21, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	St. Louis	MO		

US-CL-CURRENT: 536/23.5; 435/252.3, 435/254.11, 435/320.1, 435/325, 536/24.3, 536/24.31

## ABSTRACT:

A Bcl-2 associated protein (Bax) and uses thereof.

6 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 21. Document ID: US 5952479 A

L7: Entry 21 of 108

File: USPT

Sep 14, 1999

US-PAT-NO: 5952479

DOCUMENT-IDENTIFIER: US 5952479 A

TITLE: Human arsenite-resistance protein

DATE-ISSUED: September 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Corley; Neil C.	Mountain View	CA		
Patterson; Chandra	Mountain View	CA		

US-CL-CURRENT: 536/23.1; 435/252.3, 435/320.1, 435/325, 435/69.1

## ABSTRACT:

The invention provides a human arsenite-resistance protein (NITE) and polynucleotides which identify and encode NITE. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for diagnosing, treating or preventing disorders associated with expression of NITE.

9 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 22. Document ID: US 5952223 A

L7: Entry 22 of 108

File: USPT

Sep 14, 1999

US-PAT-NO: 5952223

DOCUMENT-IDENTIFIER: US 5952223 A

TITLE: Compositions for the diagnosis and treatment of Chediak-Higashi syndrome

DATE-ISSUED: September 14, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaplan; Jerry	Salt Lake City	UT		
Perou; Charles M.	Salt Lake City	UT		
Moore; Karen J.	Maynard	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/6, 536/23.5

## ABSTRACT:

The present invention relates to the identification of novel nucleic acid molecules and proteins encoded by such nucleic acid molecules or degenerate variants thereof,

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that participate in the differentiation and/or function of intracellular vesicles. The nucleic acid molecules of the present invention represent the genes corresponding to the mammalian bg gene, a gene that, when mutated, is responsible for the human Chediak-Higashi syndrome.

20 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc
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☐ 23. Document ID: US 5945577 A

L7: Entry 23 of 108

File: USPT

Aug 31, 1999

US-PAT-NO: 5945577

DOCUMENT-IDENTIFIER: US 5945577 A

TITLE: Cloning using donor nuclei from proliferating somatic cells

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stice; Steven L.	Belchertown	MA		
Cibelli; Jose	Amherst	MA		
Robl; James	Belchertown	MA		
Golueke; Paul	Belchertown	MA		
Ponce de Leon; F. Abel	Amherst	MA		
Jerry; D. Joseph	Shutesbury	MA		

US-CL-CURRENT: 800/24; 435/325, 800/14, 800/15, 800/16, 800/17

ABSTRACT:

An improved method of nuclear transfer involving the transplantation of donor differentiated cell nuclei into enucleated oocytes of the same species as the donor cell is provided. The resultant nuclear transfer units are useful for multiplication of genotypes and transgenic genotypes by the production of fetuses and offspring, and for production of isogenic CICM cells, including human isogenic embryonic or stem cells. Production of genetically engineered or transgenic mammalian embryos, fetuses and offspring is facilitated by the present method since the differentiated cell source of the donor nuclei can be genetically modified and clonally propagated.

24 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc
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☐ 24. Document ID: US 5945305 A

L7: Entry 24 of 108

File: USPT

Aug 31, 1999

US-PAT-NO: 5945305

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DOCUMENT-IDENTIFIER: US 5945305 A

TITLE: Nucleic acid encoding congenital heart disease protein and products related thereto

DATE-ISSUED: August 31, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korenberg; Julie R.	Los Angeles	CA		

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/354, 435/366, 435/440, 536/23.1, 536/23.5, 536/24.3, 536/24.31

## ABSTRACT:

In accordance with the present invention, there are provided novel Congenital Heart Disease (CHD) proteins. Nucleic acid sequences encoding such proteins and assays employing same are also disclosed. The invention CHD proteins can be employed in a variety of ways, for example, for the production of anti-CHD antibodies thereto, in therapeutic compositions and methods employing such proteins and/or antibodies.

24 Claims, 1 Drawing figures

Exemplary Claim Number: 2

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 25. Document ID: US 5942437 A

L7: Entry 25 of 108

File: USPT

Aug 24, 1999

US-PAT-NO: 5942437

DOCUMENT-IDENTIFIER: US 5942437 A

TITLE: Method and media for enhancing viability maturation, and cryopreservation of cells

DATE-ISSUED: August 24, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sanberg; Paul R.	Spring Hill	FL		
Othberg; Agneta	Tampa	FL		
Cameron; Don F.	Lutz	FL		
Saporta; Samuel	Tampa	FL		
Borlongan; Cesario V.	Silver Springs	MD		

US-CL-CURRENT: 435/374; 424/93.7, 435/1.3, 435/325, 435/347

## ABSTRACT:

A method to increase viability, number, survival and maturation of cells for transplantation or cryopreservation by culturing the cells with Sertoli cells or with sertoli-cell conditioned media (SCM) prior to transplantation (pre-culturing) or

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cryopreservation.

5 Claims, 22 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 26. Document ID: US 5942435 A

L7: Entry 26 of 108

File: USPT

Aug 24, 1999

US-PAT-NO: 5942435

DOCUMENT-IDENTIFIER: US 5942435 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Transgenic swine compositions and methods

DATE-ISSUED: August 24, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wheeler; Matthew B.	Tolono	IL		

US-CL-CURRENT: 435/325; 435/378, 800/24

## ABSTRACT:

Transgenic swine, and compositions and methods for making and using same, are provided. Central to the invention are porcine (*Sus scrofa*) embryonic stem cell lines and methods for establishing them. Cells of such lines are transformed with exogenous genetic material of interest and then used to provide chimeric swine, which have germ cells comprising the exogenous genetic material. The chimeric swine are bred to provide transgenic swine. Transgenic swine of the invention can be used to provide human proteins or peptide hormones or can be used as xenograft donors.

13 Claims, 5 Drawing figures

Exemplary Claim Number: 1,4

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 27. Document ID: US 5939321 A

L7: Entry 27 of 108

File: USPT

Aug 17, 1999

US-PAT-NO: 5939321

DOCUMENT-IDENTIFIER: US 5939321 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Mammalian tollloid-like gene and protein

DATE-ISSUED: August 17, 1999

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## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Greenspan; Daniel S.	Madison	WI		
Takahara; Kazuhiko	Madison	WI		
Hoffman; Guy G.	Madison	WI		

US-CL-CURRENT: 435/325; 424/93.21, 435/320.1, 435/455, 435/69.1, 514/44, 536/23.1

## ABSTRACT:

A mammalian gene encoding a tolloid-like protein distinct from human or murine BMP-1/mTld is presented. The gene is similar in structure to members of the BMP-1 family of genes, but maps to a distinct location and encodes a distinct protein. The protein encoded by the gene can be used to screen putative therapeutic agents in an ongoing effort to inhibit activity of the BMP-1 family of genes to prevent scarring, fibrosis, and the like.

18 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 28. Document ID: US 5932716 A

L7: Entry 28 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932716

DOCUMENT-IDENTIFIER: US 5932716 A

TITLE: Morphogen-responsive regulatory elements

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sampath; Kuber T.	Medway	MA		

US-CL-CURRENT: 536/24.1; 435/325, 435/455, 435/69.1, 536/23.1

## ABSTRACT:

Disclosed herein are methods and compositions for identifying morphogen analogs. Preferred methods rest on the use of test cells comprising DNA defining a morphogen-responsive transcription activating element operatively associated with a reporter gene. In certain embodiments, the methods involve an osteogenic protein 1 (OP-1) responsive transcription activating element. Substances that activate the OP-1 responsive transcription activating element are considered herein likely to be useful for reproducing in vivo effects of morphogens such as OP-1.

5 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 29. Document ID: US 5932445 A

L7: Entry 29 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932445

DOCUMENT-IDENTIFIER: US 5932445 A

TITLE: Signal peptide-containing proteins

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lal; Preeti	Santa Clara	CA		
Au-Young; Janice	Berkeley	CA		
Reddy; Roopa	Sunnyvale	CA		
Murry; Lynn E.	Portola Valley	CA		
Mathur; Preete	Fremont	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/69.8, 536/23.5

## ABSTRACT:

The invention provides signal peptide-containing proteins collectively designated SP, and polynucleotides which identify and encode these molecules. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention further provides methods for diagnosing, treating, and preventing disorders associated with expression of signal peptide-containing proteins.

9 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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☐ 30. Document ID: US 5932423 A

L7: Entry 30 of 108

File: USPT

Aug 3, 1999

US-PAT-NO: 5932423

DOCUMENT-IDENTIFIER: US 5932423 A

TITLE: Cyclic nucleotide phosphodiesterases

DATE-ISSUED: August 3, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Au-Young; Janice	Berkeley	CA		
Cocks; Benjamin G.	Palo Alto	CA		
Coleman; Roger	Mountain View	CA		
Seilhamer; Jeffrey J.	Los Altos Hills	CA		



Fisher; Douglas A.

Groton

CT

US-CL-CURRENT: 435/6; 435/320.1, 435/325, 435/348, 435/69.1, 536/23.2, 536/23.5

## ABSTRACT:

The invention provides human cyclic nucleotide phosphodiesterases (PDE8) and polynucleotides which identify and encode PDE8. The invention also provides expression vectors, host cells, antibodies, agonists, and antagonists. The invention also provides methods for treating or preventing disorders associated with expression of PDE8.

11 Claims, 32 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 32

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 31. Document ID: US 5928947 A

L7: Entry 31 of 108

File: USPT

Jul 27, 1999

US-PAT-NO: 5928947

DOCUMENT-IDENTIFIER: US 5928947 A

TITLE: Mammalian multipotent neural stem cells

DATE-ISSUED: July 27, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/455; 424/93.7, 435/325, 435/440, 435/69.1

## ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

6 Claims, 20 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 32. Document ID: US 5922601 A

L7: Entry 32 of 108

File: USPT

Jul 13, 1999

US-PAT-NO: 5922601

DOCUMENT-IDENTIFIER: US 5922601 A

TITLE: High efficiency gene trap selection of regulated genetic loci

DATE-ISSUED: July 13, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baetscher; Manfred	Winchester	MA		
Nir; Waan-Jeng	Reading	MA		

US-CL-CURRENT: 435/456; 435/320.1, 435/325, 435/4, 435/6, 536/23.1, 536/23.4, 536/24.1

## ABSTRACT:

A gene trap construct for identification of genes whose activity is regulated upon a cellular transition event which comprises in downstream sequence (i) a cassette having a functional splice acceptor, a translation stop sequence and an internal ribosome entry site and (ii) a promoterless protein coding sequence encoding at least one polypeptide providing positive and negative selection traits. A method for identification of genes whose activity is regulated upon a cellular transition event by introducing the gene trap construct into a cell and observing expression of the positive and/or negative selection traits before and after the transition event.

31 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Des
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☐ 33. Document ID: US 5919449 A

L7: Entry 33 of 108

File: USPT

Jul 6, 1999

US-PAT-NO: 5919449

DOCUMENT-IDENTIFIER: US 5919449 A

TITLE: Porcine cardiomyocytes and their use in treatment of insufficient cardiac function

DATE-ISSUED: July 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dinsmore; Jonathan	Brookline	MA		

US-CL-CURRENT: 424/93.7; 424/569, 435/325

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## ABSTRACT:

Porcine cardiomyocytes and methods for using the cardiomyocytes to treat disorders characterized by insufficient cardiac function are described. The porcine cardiomyocytes are preferably embryonic porcine cardiomyocytes. The porcine cardiomyocytes can be modified to be suitable for transplantation into a xenogeneic subject, such as a human. For example, the porcine cardiomyocytes can be modified such that an antigen (e.g., an MHC class I antigen) on the cardiomyocyte surface which is capable of stimulating an immune response against the cardiomyocytes in a xenogeneic subject is altered (e.g., by contact with an anti-MHC class I antibody, or a fragment or derivative thereof) to inhibit rejection of the cardiomyocyte when introduced into the subject. In one embodiment, the porcine cardiomyocytes are obtained from a pig which is essentially free from organisms or substances which are capable of transmitting infection or disease to the recipient subject. The porcine cardiomyocytes of the present invention can be used to treat disorders characterized by insufficient cardiac function, e.g., congestive heart failure, in a xenogeneic subject by administering the cardiomyocytes to the subject.

11 Claims, 3 Drawing figures

Exemplary Claim Number: 5

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 34. Document ID: US 5914268 A

L7: Entry 34 of 108

File: USPT

Jun 22, 1999

US-PAT-NO: 5914268

DOCUMENT-IDENTIFIER: US 5914268 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Embryonic cell populations and methods to isolate such populations

DATE-ISSUED: June 22, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keller; Gordon M.	Denver	CO		
Kennedy; Marion	Denver	CO		
Choi; Kyunghhee	Denver	CO		
Firpo; Meri T.	Denver	CO		

US-CL-CURRENT: 435/325; 424/93.1, 435/384, 435/386, 435/387

## ABSTRACT:

The present invention relates to novel pluripotent embryonic cell populations derived from embryonic stem cell populations and methods to produce such pluripotent embryonic cell populations. Disclosed is an embryonic stem cell-derived pluripotent embryoid body cell population having one or more cells capable of developing into cells of hematopoietic and/or endothelial lineage. Also disclosed is an embryoid body cell population-derived mixed population of endothelial and erythroid cells. Also disclosed is an embryoid body cell population-derived embryonic blast cell population capable of developing into a variety of hematopoietic cell types. The invention is additionally directed to embryonic stem cell population-derived T and B cell populations. Methods to identify embryonic cell compounds are also disclosed for therapeutic and experimental use.

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32 Claims, 20 Drawing figures  
Exemplary Claim Number: 16  
Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc
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☐ 35. Document ID: US 5914261 A

L7: Entry 35 of 108

File: USPT

Jun 22, 1999

US-PAT-NO: 5914261  
DOCUMENT-IDENTIFIER: US 5914261 A

TITLE: Family of MAP2 protein kinases

DATE-ISSUED: June 22, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/243; 435/252.8, 435/254.2, 435/320.1, 435/325, 435/348, 435/91.1,  
536/23.2, 536/23.5

ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the present invention provides for methods for assaying cellular factor activity, including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

11 Claims, 37 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc
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☐ 36. Document ID: US 5912122 A

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L7: Entry 36 of 108

File: USPT

Jun 15, 1999

US-PAT-NO: 5912122

DOCUMENT-IDENTIFIER: US 5912122 A

TITLE: Nucleic acids encoding and method for detecting nucleic acid encoding human metabotropic glutamate receptor subtype mGluR6

DATE-ISSUED: June 15, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Daggett; Lorrie P.	San Diego	CA		
Lu; Chin-Chun	San Diego	CA		

US-CL-CURRENT: 435/6; 435/325, 536/23.5, 536/24.31

## ABSTRACT:

In accordance with the present invention, there are provided nucleic acids encoding human metabotropic glutamate receptor subtype mGluR6, and the proteins encoded thereby. In addition to being useful for the production of metabotropic glutamate receptor subtype mGluR6, nucleic acids of the invention are also useful as probes, thus enabling those skilled in the art, without undue experimentation, to identify and isolate related human receptor subunits. In addition to disclosing a novel metabotropic glutamate receptor subtype, mGluR6, the present invention also comprises methods for using the invention receptor subtype to identify and characterize compounds which affect the function of such receptor subtype, e.g., agonists, antagonists, and modulators of glutamate receptor function.

12 Claims, 1 Drawing figures  
Exemplary Claim Number: 1,6,11  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Des
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☐ 37. Document ID: US 5895745 A

L7: Entry 37 of 108

File: USPT

Apr 20, 1999

US-PAT-NO: 5895745

DOCUMENT-IDENTIFIER: US 5895745 A

TITLE: Method of thawing cryopreserved cells

DATE-ISSUED: April 20, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chandler; Barbara A.	Lexington	MA		
Borland; Kermit M.	Shrewsbury	MA		
Cain; Shawn P.	North Chelmsford	MA		
Mullon; Claudy J-P.	Framingham	MA		

US-CL-CURRENT: 435/2; 435/325, 436/18

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## ABSTRACT:

The invention features a method of processing cryopreserved cells by thawing and equilibrating the cells at warm temperatures (e.g., between 30.degree. C. and 43.degree. C). Either the cell suspension in the cryoprotective medium is thawed to a temperature between 35.degree. C. and 43.degree. C. or the cryoprotective medium is equilibrated with a culture medium at a temperature between 35.degree. C. and 43.degree. C., or both steps are carried out at the warm temperatures. By thawing and equilibrating the cryopreserved cells at warm temperatures, the viability, (especially after 3 hours of culture), and metabolic activity (i.e., diazepam metabolism) of the cells can be improved over traditional cold cell processing (i.e., at temperatures of between 2.degree. C. and 8.degree. C.).

10 Claims, 0 Drawing figures

Exemplary Claim Number: 1'

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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☐ 38. Document ID: US 5891714 A

L7: Entry 38 of 108

File: USPT

Apr 6, 1999

US-PAT-NO: 5891714

DOCUMENT-IDENTIFIER: US 5891714 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Cationic phospholipids for transfection

DATE-ISSUED: April 6, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ashley; Gary W.	Alameda	CA		
MacDonald; Robert C.	Evanston	IL		
Shida; Miho	Barrington	IL		

US-CL-CURRENT: 435/320.1; 264/4.1, 424/450, 435/325, 435/455, 514/44, 536/23.1, 536/24.5, 558/166, 558/70, 564/15

## ABSTRACT:

Cationic phospholipids and their use in treating pathogen-associated disease are disclosed. The class of phospholipids comprises the phosphotriester derivatives of phosphoglycerides and sphingolipids. Liposomes comprising one or more of the cationic phospholipids are effective in the lipofection of nuclidic acids and are therefore useful in methods of treating disease.

1 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw. Des.
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☐ 39. Document ID: US 5888816 A

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L7: Entry 39 of 108

File: USPT

Mar 30, 1999

US-PAT-NO: 5888816

DOCUMENT-IDENTIFIER: US 5888816 A

TITLE: Cell cultures of and cell culturing method for nontransformed pancreatic, thyroid, and parathyroid cells

DATE-ISSUED: March 30, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiombato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/378, 435/382, 435/383, 435/391, 435/392, 435/404, 435/408

## ABSTRACT:

The present invention provides a method for producing an expanded, enriched, non-transformed human cell culture of human pancreatic, thyroid or parathyroid endocrine cells and other types of cells which comprises (1) preparing partially purified, minced tissue that includes a desired type of cells; (2) concentrating the desired cells; (3) resuspending the concentrated cells in a growth medium which selects in favor of the desired cells and in which those cells are proliferated without being transformed and differentiated functions are retained through periodic passaging; (4) culturing the resuspended cells in the growth medium to effect sustained cell division; and (5) passaging the cultured cells periodically to expand the culture. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture and procedures to form matrix-embedded aggregated and non-aggregated cells for providing pseudotissues and products such as matrix-embedded pancreatic islets (pseudoislets). Growth medium and conditioned medium is provided for the culturing of the cells and clonal strains, the growth medium comprising a suitable basal medium supplemented with effective concentrations of hypothalamus and pituitary extracts, serum and other ingredients, which growth medium selects in favor of desired human cells and against passenger cells including fibroblast, macrophage, and capillary endothelial cells such that the desired cells are selectively proliferated without being transformed and an expanded cell culture is provided of functionally differentiated, expanded, non-transformed human cells that is substantially free of such passenger cells.

34 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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40. Document ID: US 5885797 A

L7: Entry 40 of 108

File: USPT

Mar 23, 1999

US-PAT-NO: 5885797

DOCUMENT-IDENTIFIER: US 5885797 A

TITLE: Polynucleotide sequences encoding proteins involved in myogenesis

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DATE-ISSUED: March 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chen; C. M. Amy	Brookline	MA		
Kraut; Norbert	Seattle	WA		
Groudine; Mark	Seattle	WA		
Weintraub, deceased; Harold	late of Seattle	WA		

US-CL-CURRENT: 435/69.1; 435/255.1, 435/320.1, 435/325, 536/23.5

## ABSTRACT:

A novel gene, Inhibitor of MyoD Family (I-mf), is provided which encodes novel proteins, I-mfa, I-mfb and I-mfc, involved in regulation of myogenesis during vertebrate development. I-mf is highly expressed in the sclerotome of developing vertebrates and is postulated to play an important role in patterning of the somite and determination sclerotomal cell fate. A unique, C-terminal interactional domain of the I-mf protein mediates physical interactions between I-mfa and members of the MyoD family of transcriptional activators and functions to inhibit transactivation of muscle specific genes by MyoD family members, thereby repressing myogenesis. Further characterization of I-mf activity shows that I-mf associates with MyoD family member proteins and retains them in the cytoplasm by masking their nuclear localization signals. Based on the I-mf genes and proteins disclosed herein, a variety methods and compositions are provided for screening, isolating, and characterizing endogenous and exogenous factors, drugs and therapeutic agents useful to evaluate and/or control myogenesis normal and abnormal development and cell differentiation.

9 Claims, 1 Drawing figures

Exemplary Claim Number: 4

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 41. Document ID: US 5885576 A

L7: Entry 41 of 108

File: USPT

Mar 23, 1999

US-PAT-NO: 5885576

DOCUMENT-IDENTIFIER: US 5885576 A

TITLE: Vaccines and methods for preventing and treating fescue toxicosis in herbivores

DATE-ISSUED: March 23, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hill; Nicholas S.	Athens	GA		
Thompson, Jr.; Frederick N.	Athens	GA		
Stuedemann; John A.	Athens	GA		
Dawe; Donald L.	High Shoals	GA		

US-CL-CURRENT: 424/141.1; 424/130.1, 424/131.1, 424/184.1, 435/325, 435/326, 435/327, 435/346, 530/387.1, 530/387.2, 530/388.1, 530/389.1, 530/389.8



## ABSTRACT:

The present invention provides an immunogenic compound comprising the formula:  
##STR1## wherein X is selected from the group consisting of methyl and hydrogen;  
wherein R.sub.1 is a suitable functional group of the lysergic ring;

wherein R.sub.2 is an immunogenic protein; and

wherein Y is a bridge to link R.sub.1 to R.sub.2.

The present invention also provides purified polyclonal and monoclonal antibodies specifically reactive with the immunogenic compound and reactive with the lysergic ring of ergopeptine and clavine alkaloids. The present invention further provides an antibody which is an anti-idiotypic of the monoclonal antibody. Also provided are methods of prevention and treatment of fescue toxicosis utilizing the immunogenic compounds and antibodies of the present invention.

5 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Desc
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☐ 42. Document ID: US 5882925 A

L7: Entry 42 of 108

File: USPT

Mar 16, 1999

US-PAT-NO: 5882925

DOCUMENT-IDENTIFIER: US 5882925 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Compositions and method for the treatment and diagnosis of cardiovascular disease using rchd502 as a target

DATE-ISSUED: March 16, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Wellesley	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/455, 435/6, 435/69.1, 536/23.1, 536/24.1, 536/24.3

## ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds

in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

22 Claims, 53 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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☐ 43. Document ID: US 5877016 A

L7: Entry 43 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5877016

DOCUMENT-IDENTIFIER: US 5877016 A

TITLE: Human trk receptors and neurotrophic factor inhibitors

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Presta; Leonard G.	San Francisco	CA		
Shelton; David L.	Pacifica	CA		
Urfer; Roman	Pacifica	CA		

US-CL-CURRENT: 435/325; 435/320.1, 435/69.1, 530/387.3, 530/388.22, 536/23.4

ABSTRACT:

The invention concerns human trkB and trkC receptors and their functional derivatives. The invention further concerns immunoadhesins comprising trk receptor sequences fused to immunoglobulin sequences.

18 Claims, 47 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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☐ 44. Document ID: US 5876996 A

L7: Entry 44 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5876996

DOCUMENT-IDENTIFIER: US 5876996 A

TITLE: Human S-adenosyl-L-methionine methyltransferase

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Corley; Neil C.	Mountain View	CA		
Shah; Purvi	Sunnyvale	CA		

US-CL-CURRENT: 435/193; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/410, 536/23.2

## ABSTRACT:

The invention provides a human S-adenosyl-L-methionine methyltransferase (SAM-MT) and polynucleotides which identify and encode SAM-MT. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of SAM-MT.

9 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 45. Document ID: US 5876972 A

L7: Entry 45 of 108

File: USPT

Mar 2, 1999

US-PAT-NO: 5876972

DOCUMENT-IDENTIFIER: US 5876972 A

TITLE: Nucleic acid molecules coding for tumor suppressor proteins and methods for their isolation

DATE-ISSUED: March 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Spengler; Dietmar	Munich			DE
Journot; Laurent	Pignan			FR

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/410, 435/6, 536/23.5

## ABSTRACT:

Described are novel proteins having the biological activity of a tumor suppressor protein and nucleic acid molecules coding for such proteins. Methods for the isolation of nucleic acid molecules encoding tumor suppressor proteins as well as nucleic acid molecules obtainable by said method are also provided. Further, vectors comprising said nucleic acid molecules wherein the nucleic acid molecules are operatively linked to regulatory elements allowing expression in prokaryotic or eukaryotic host cells can be used for the production of polypeptides encoded by said nucleic acid molecules which have tumor suppressor activity. Pharmaceutical and diagnostic compositions are provided comprising the nucleic acid molecules of the invention and/or comprising a nucleic acid molecule which is complementary to such a nucleic acid molecule. Described are also compositions which comprise polypeptides encoded by the described nucleic acid molecules which have tumor suppressor activity and/or an antibody specifically recognizing such polypeptides.

24 Claims, 37 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 46. Document ID: US 5874301 A

L7: Entry 46 of 108

File: USPT

Feb 23, 1999

US-PAT-NO: 5874301  
DOCUMENT-IDENTIFIER: US 5874301 A

TITLE: Embryonic cell populations and methods to isolate such populations

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Keller; Gordon M.	Denver	CO		
Hawley; Robert G.	Toronto			CA
Choi; Kyunghee	Baltimore	MD		

US-CL-CURRENT: 435/325; 435/354, 435/355, 435/385, 435/386

ABSTRACT:

The present invention relates to novel immortalized precursor cell populations derived from embryonic stem cell populations and methods to produce such cell populations. Also disclosed is an assay to identify regulatory compounds capable of controlling cell growth for therapeutic and experimental use.

23 Claims, 25 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 47. Document ID: US 5874236 A

L7: Entry 47 of 108

File: USPT

Feb 23, 1999

US-PAT-NO: 5874236  
DOCUMENT-IDENTIFIER: US 5874236 A

TITLE: DNA encoding human calcium channel .alpha.-.sub.1A, .beta..sub.1, .beta.-.sub.2, and .beta.-.sub.4 subunits, and assays using cells that express the subunits

DATE-ISSUED: February 23, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harpold; Michael M.	El Cajon	CA		

h e b b cg b cc e

Ellis; Steven B.	San Diego	CA
Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	Gainesville	FL
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/29; 435/254.11, 435/325, 435/4, 435/69.1, 514/44, 536/23.5

ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.-and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

37 Claims, 0 Drawing figures  
Exemplary Claim Number: 21,22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNOC	Draw Dec.
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☐ 48. Document ID: US 5872006 A

L7: Entry 48 of 108

File: USPT

Feb 16, 1999

US-PAT-NO: 5872006

DOCUMENT-IDENTIFIER: US 5872006 A

TITLE: Family of MAP2 protein kinases

DATE-ISSUED: February 16, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/320.1; 435/194, 435/252.3, 435/254.2, 435/325, 435/375, 435/377, 435/69.1, 435/91.1, 536/23.2, 536/23.5

ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the present invention provides for methods for assaying cellular factor activity,

including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

18 Claims, 37 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Des
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☐ 49. Document ID: US 5869282 A

L7: Entry 49 of 108

File: USPT

Feb 9, 1999

US-PAT-NO: 5869282

DOCUMENT-IDENTIFIER: US 5869282 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Nucleotide and protein sequences of the serrate gene and methods based thereon

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ish-Horowicz; David	Oxford			GB2
Henrique; Domingos Manuel Pinto	Oxford			GB2
Lewis; Julian Hart	Oxford			GB2
Myat; Anna Mary	Oxford			GB2
Fleming; Robert J.	Rochester	NY		
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Mann; Robert S.	Hamden	CT		
Gray; Grace E.	New Haven	CT		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 530/300, 530/350, 536/23.1, 536/24.3

ABSTRACT:

The present invention relates to nucleotide sequences of Serrate genes, and amino acid sequences of their encoded proteins, as well as derivatives (e.g., fragments) and analogs thereof. In a specific embodiment, the Serrate protein is a human protein. The invention further relates to fragments (and derivatives and analogs thereof) of Serrate which comprise one or more domains of the Serrate protein, including but not limited to the intracellular domain, extracellular domain, DSL domain, cysteine rich domain, transmembrane region, membrane-associated region, or one or more EGF-like repeats of a Serrate protein, or any combination of the foregoing. Antibodies to Serrate, its derivatives and analogs, are additionally provided. Methods of production of the Serrate proteins, derivatives and analogs, e.g., by recombinant means, are also provided. Therapeutic and diagnostic methods and pharmaceutical compositions are provided. In specific examples, isolated Serrate genes, from Drosophila, chick, mouse, Xenopus and human, are provided.

109 Claims, 51 Drawing figures

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Exemplary Claim Number: 1  
Number of Drawing Sheets: 36

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 50. Document ID: US 5869037 A

L7: Entry 50 of 108

File: USPT

Feb 9, 1999

US-PAT-NO: 5869037  
DOCUMENT-IDENTIFIER: US 5869037 A

TITLE: Adenoviral-mediated gene transfer to adipocytes

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Crystal; Ronald G.	Potomac	MD		
Magovern; Christopher J.	New York	NY		

US-CL-CURRENT: 424/93.2; 424/93.21, 424/93.7, 435/320.1, 435/325, 435/456, 514/44

ABSTRACT:

The present invention provides for in vivo gene transfer to adipocytes mediated by adenovirus and, in particular, the in vivo transfer of toxic genes as a means of reducing adiposity, as well as the transfer of genes encoding angiogenic substances to induce new blood vessel growth. The present invention also provides for the in vivo gene transfer to adipocytes to supply a source of proteins to be used in the local milieu of the adipocyte tissue or to be secreted and used systemically. Further, the present invention provides for the transfer of the adipocytes to other sites within a host, following adenoviral-mediated transfer of genes to the adipocytes in vivo, to allow for the exploitation of the modified adipocytes as a transferable means for the production of protein.

10 Claims, 5 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 51. Document ID: US 5866318 A

L7: Entry 51 of 108

File: USPT

Feb 2, 1999

US-PAT-NO: 5866318  
DOCUMENT-IDENTIFIER: US 5866318 A

TITLE: Inhibition of phospholipase A.sub.2 to reduce neuronal cell death

DATE-ISSUED: February 2, 1999

INVENTOR-INFORMATION:

h e b b cg b cc e

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rydel; Russell E.	Belmont	CA		
Dappen; Michael S.	San Bruno	CA		

US-CL-CURRENT: 435/4; 435/325, 435/375, 435/377, 435/6

## ABSTRACT:

The invention is drawn to a method for identifying agents that inhibit neural degeneration by administering to cell populations consisting essentially of neurons or cells from neuronal cell lines, where these cells are exposed to an apoptotic stimulus other than APP gene products, an agent, where it is determined whether the agent inhibits neural degeneration.

12 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 52. Document ID: US 5866098 A

L7: Entry 52 of 108

File: USPT

Feb 2, 1999

US-PAT-NO: 5866098

DOCUMENT-IDENTIFIER: US 5866098 A

TITLE: Assay for identifying extracellular signaling proteins

DATE-ISSUED: February 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lustig; Kevin D.	Cambridge	MA		
Kirschner; Marc W.	Newton	MA		

US-CL-CURRENT: 424/9.2; 424/9.1, 424/93.1, 424/93.2, 435/320.1, 435/325, 435/4, 435/455, 435/6, 435/69.1, 435/7.21, 435/7.4

## ABSTRACT:

The present invention concerns a novel paracrine signaling assay.

8 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 53. Document ID: US 5861283 A

L7: Entry 53 of 108

File: USPT

Jan 19, 1999



US-PAT-NO: 5861283

DOCUMENT-IDENTIFIER: US 5861283 A

TITLE: DNA encoding a limbic system-associated membrane protein

DATE-ISSUED: January 19, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Levitt; Pat Ressler	Wyncote	PA		
Pimenta; Aurea	Princeton	NJ		
Fischer; Itzhak	Blue Bell	PA		
Zhukareva; Victoria	Philadelphia	PA		

US-CL-CURRENT: 435/69.4; 435/252.3, 435/320.1, 435/325, 536/23.1, 536/23.51, 536/24.1

## ABSTRACT:

The present invention is directed to nucleic acid sequences encoding a limbic-system associated membrane protein ("LAMP") and to purified proteins with LAMP activity. LAMP is a self-binding, antibody-like cell surface adhesion protein, the presence of which on one neuron of the limbic system stimulates the formation of connections with adjacent neurons. The invention provides a nucleic acid sequence encoding a polypeptide with at least about 90% homology to a LAMP self-binding domain, and corresponding proteins. The invention also provides nucleic acids that hybridize to LAMP encoding nucleic acids.

16 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 54. Document ID: US 5858708 A

L7: Entry 54 of 108

File: USPT

Jan 12, 1999

US-PAT-NO: 5858708

DOCUMENT-IDENTIFIER: US 5858708 A

TITLE: Polynucleotides encoding two novel human neuroendocrine-specific proteins

DATE-ISSUED: January 12, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA	94043	
Au-Young; Janice	Berkeley	CA	94702	
Goli; Surya K.	Sunnyvale	CA	94086	
Hillman; Jennifer L.	San Jose	CA	95112	

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.1, 536/23.5

## ABSTRACT:

h e b b cg b cc e

The present invention provides polynucleotides which identify and encode two novel human NSP-like proteins (NSPLP). The invention provides for genetically engineered expression vectors and host cells comprising the nucleic acid sequences encoding NSPLP. The invention also provides for the use of substantially purified NSPLP, antagonists, and in pharmaceutical compositions for the treatment of diseases associated with the expression of NSPLP. Additionally, the invention provides for the use of antisense molecules to NSPLP in pharmaceutical compositions for treatment of diseases associated with the expression of NSPLP. The invention also describes diagnostic assays which utilize diagnostic compositions comprising the polynucleotide, fragments or the complement thereof, which hybridize with the genomic sequence or the transcript of polynucleotides encoding NSPLP or anti-NSPLP antibodies which specifically bind to NSPLP.

12 Claims, 24 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc
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☐ 55. Document ID: US 5858642 A

L7: Entry 55 of 108

File: USPT

Jan 12, 1999

US-PAT-NO: 5858642

DOCUMENT-IDENTIFIER: US 5858642 A

TITLE: Closed system for processing cells

DATE-ISSUED: January 12, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cain; Shawn P.	North Chelmsford	MA		
Perlman; Timothy J.	Lexington	MA		
Deane; Deborah J.	Orange	MA		
Mullon; Claudy J-P.	Framingham	MA		

US-CL-CURRENT: 435/2; 435/1.1, 435/325

ABSTRACT:

The invention features a method of processing cells in a closed system that results in a suspension of cells in a transfer vessel containing a target number of cells. The number of cells in the closed vessel is determined from the cell concentration (i.e., the number of viable cells/mL) in the closed vessel and the total volume of the suspension in the closed vessel. The volume of the suspension in the closed vessel can be determined from the weight of the suspension and its density. In particular, the cells are preserved in a protective medium and are recovered substantially free of the protective medium in a closed vessel containing the known number of cells in a suspension.

14 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc
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☐ 56. Document ID: US 5856124 A

L7: Entry 56 of 108

File: USPT

Jan 5, 1999

US-PAT-NO: 5856124

DOCUMENT-IDENTIFIER: US 5856124 A

TITLE: DNA encoding high-affinity melatonin receptors

DATE-ISSUED: January 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Reppert; Steven M.	Newton	MA		
Ebisawa; Takashi	Tokyo			JP

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 536/23.5

## ABSTRACT:

Disclosed are cDNAs and DNAs encoding high-affinity melatonin 1a and 1b receptors and the recombinant polypeptides expressed from such cDNAs. The recombinant receptor polypeptides, receptor fragments and analogs expressed on the surface of cells are used in methods of screening candidate compounds for their ability to act as agonists or antagonists to the effects of interaction between melatonin and high-affinity melatonin receptor. Agonists are used as therapeutics to reentrain endogenous melatonin rhythms as a means of treating circadian rhythm disorders in humans and control reproductive cycles in seasonally breeding animals. Antagonists are used as therapeutics to control the initiation or timing of puberty in humans. Antibodies specific for a high-affinity melatonin receptor (or receptor fragment or analog) and their use as a therapeutic are also disclosed.

19 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 34

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Des
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☐ 57. Document ID: US 5851824 A

L7: Entry 57 of 108

File: USPT

Dec 22, 1998

US-PAT-NO: 5851824

DOCUMENT-IDENTIFIER: US 5851824 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Human calcium channel .alpha.-1C/.alpha.-1D, .alpha.-2, .beta.-1, and .gamma.subunits and cells expressing the DNA

DATE-ISSUED: December 22, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harpold; Michael M.	San Diego	CA		
Ellis; Steven B.	San Diego	CA		

h e b b cg b cc e

Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	San Diego	CA
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/325; 435/254.11, 435/320.1, 435/356, 435/358, 435/364, 435/365, 435/370, 435/69.1, 536/23.5, 536/24.31

## ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.- and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

64 Claims, 4 Drawing figures  
Exemplary Claim Number: 1,12,13  
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMAC	Draw Des
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## 58. Document ID: US 5849584 A

L7: Entry 58 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849584

DOCUMENT-IDENTIFIER: US 5849584 A

TITLE: Cell cultures of and cells culturing method for nontransformed parotid cells

DATE-ISSUED: December 15, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiombato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/378, 435/382, 435/383, 435/391

## ABSTRACT:

The present invention provides a method for producing an expanded non-transformed cell culture comprising the steps of: (1) preparing partially purified, minced tissue; (2) concentrating the resulting cells and tissue pieces; (3) resuspending the concentrated tissue cells and pieces in a culture medium capable of supporting sustained cell division that is contained in a culture vessel; (4) incubating the cells; and (5) passaging the cells periodically. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture, medium and conditioned medium designed for the culturing of parotid cells and other glandular cells such as pancreatic, thyroid, and parathyroid, and cells, and the use of cultured pancreatic cells to form pancreatic pseudotissues composed of matrix-embedded aggregated (pseudoislets) or individual cells, to treat blood sugar disorders in mammals, and to test for cytotoxicity and autoimmune activities with reference to pancreatic endocrine cells. The nontransformed cells are cultured in a

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growth medium comprising a suitable basal medium supplemented with effective concentrations of hypothalamus and pituitary extracts, and serum.

17 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 59. Document ID: US 5849578 A

L7: Entry 59 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849578

DOCUMENT-IDENTIFIER: US 5849578 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Compositions and methods for the treatment and diagnosis of cardiovascular using RCHD528 as a target

DATE-ISSUED: December 15, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean A.	Massachusetts	MA		

US-CL-CURRENT: 435/325; 435/320.1, 435/455, 435/6, 435/69.1, 536/23.1, 536/24.1, 536/24.3

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

21 Claims, 53 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 53

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 60. Document ID: US 5849564 A

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L7: Entry 60 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849564

DOCUMENT-IDENTIFIER: US 5849564 A

TITLE: Polypeptides from Kaposi's sarcoma-associated herpesvirus, DNA encoding same and uses thereof

DATE-ISSUED: December 15, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chang; Yuan	New York	NY		
Bohenzky; Roy A.	Mountain View	CA		
Russo; James J.	New York	NY		
Edelman; Isidore S.	New York	NY		
Moore; Patrick S.	New York	NY		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 536/23.72, 536/24.32

## ABSTRACT:

This invention provides an isolated nucleic acid molecule which encodes Kaposi's Sarcoma-Associated Herpesvirus (KSHV) polypeptides. This invention provides an isolated polypeptide molecule of KSHV. This invention provides an antibody specific to the polypeptide. Antisense and triplex oligonucleotide molecules are also provided. This invention provides a vaccine for Kaposi's Sarcoma (KS). This invention provides methods of vaccination, prophylaxis, diagnosis and treatment of a subject with KS and of detecting expression of a DNA virus associated with Kaposi's sarcoma in a cell.

12 Claims, 29 Drawing figures

Exemplary Claim Number: 1,6,7

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Draw. Des.
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## 61. Document ID: US 5849553 A

L7: Entry 61 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849553

DOCUMENT-IDENTIFIER: US 5849553 A

TITLE: Mammalian multipotent neural stem cells

DATE-ISSUED: December 15, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/467; 435/320.1, 435/325, 435/353, 435/368, 435/455, 435/462, 435/69.1

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## ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell, and immortalized cell lines which are capable of subsequent disimmortalization. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

25 Claims, 111 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Draw Des
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62. Document ID: US 5849528 A

L7: Entry 62 of 108

File: USPT

Dec 15, 1998

US-PAT-NO: 5849528

DOCUMENT-IDENTIFIER: US 5849528 A

TITLE: Polynucleotides encoding a human S100 protein

DATE-ISSUED: December 15, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hillman; Jennifer L.	Mountain View	CA		
Bandman; Olga	Mountain View	CA		
Corley; Neil C.	Mountain View	CA		
Lal; Preeti	Sunnyvale	CA		
Shah; Purvi	Sunnyvale	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/6, 530/350, 536/23.1, 536/23.5, 536/24.3, 536/24.31

## ABSTRACT:

The invention provides two human S100 proteins designated individually as S100P1 and S100P2 and collectively as S100P, and polynucleotides which identify and encode S100P. The invention also provides expression vectors, host cells, agonists, antibodies and antagonists. The invention also provides methods for treating disorders associated with expression of S100P.

10 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 63. Document ID: US 5846770 A

L7: Entry 63 of 108

File: USPT

Dec 8, 1998

US-PAT-NO: 5846770

DOCUMENT-IDENTIFIER: US 5846770 A

TITLE: DNA molecules encoding human chordin

DATE-ISSUED: December 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
DeRobertis; Edward M.	Pacific Palisades	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/69.7, 536/23.4, 536/23.5

## ABSTRACT:

Purified chordin proteins and processes for producing them are disclosed. DNA molecules encoding the chordin proteins are also disclosed. The proteins may be used in the treatment of bone, cartilage, other connective tissue defects and disorders, including tendon, ligament and meniscus, in wound healing and related tissue repair, as well as for treatment of disorders and defects to tissues which include epidermis, nerve, muscle, including cardiac muscle, and other tissues and wounds, and organs such as liver, brain, lung, cardiac, pancreas and kidney tissue. The proteins may also be useful for the induction inhibition of growth and/or differentiation of undifferentiated embryonic and stem cells. The proteins may be complexed with other proteins, particularly members of the transforming growth factor-beta superfamily of proteins.

12 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 64. Document ID: US 5846757 A

L7: Entry 64 of 108

File: USPT

Dec 8, 1998

US-PAT-NO: 5846757

DOCUMENT-IDENTIFIER: US 5846757 A

TITLE: Human calcium channel .alpha..sub.1, .alpha..sub.2, and .beta. subunits and assays using them

DATE-ISSUED: December 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Harpold; Michael M.	El Cajon	CA
Ellis; Steven B.	San Diego	CA
Williams; Mark E.	Carlsbad	CA
Feldman; Daniel H.	Gainesville	FL
McCue; Ann F.	La Mesa	CA
Brenner; Robert	Austin	TX

US-CL-CURRENT: 435/29; 435/254.11, 435/325, 435/6, 435/69.1, 435/7.21, 514/2, 514/8, 530/350, 530/395

## ABSTRACT:

Isolated DNA encoding each of human calcium channel .alpha..sub.1 -, .alpha..sub.2 -, .beta.- and .gamma.-subunits, including subunits that arise as splice variants of primary transcripts, is provided. Cells and vectors containing the DNA and methods for identifying compounds that modulate the activity of human calcium channels are also provided.

42 Claims, 0 Drawing figures  
Exemplary Claim Number: 1,7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	K00C	Draw Des
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☐ 65. Document ID: US 5837538 A

L7: Entry 65 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837538

DOCUMENT-IDENTIFIER: US 5837538 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Patched genes and their use

DATE-ISSUED: November 17, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scott; Matthew P	Stanford	CA		
Goodrich; Lisa V.	Palo Alto	CA		
Johnson; Ronald L.	Redwood City	CA		

US-CL-CURRENT: 435/325; 424/93.21, 435/320.1, 435/69.1, 435/91.2, 536/23.1, 536/23.5, 536/24.31

## ABSTRACT:

Invertebrate and vertebrate patched genes are provided, including the mouse and human patched genes, as well as methods for isolation of related genes, where the genes may be of different species or in the same family. Having the ability to regulate the expression of the patched gene, allows for the elucidation of embryonic development, cellular regulation associated with signal transduction by the patched gene, the identification of agonist and antagonist to signal transduction, identification of ligands for binding to patched, isolation of the ligands, and assaying for levels of transcription and expression of the patched gene.

32 Claims, 1 Drawing figures  
Exemplary Claim Number: 1,21  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 66. Document ID: US 5837535 A

L7: Entry 66 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837535  
DOCUMENT-IDENTIFIER: US 5837535 A

TITLE: Neuronal-neonatal gene: neuronatin

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Joseph; Rajiv	Birmingham	MI		
Dou; Dexian	Dearborn	MI		

US-CL-CURRENT: 435/325; 435/252.3, 435/320.1, 435/357, 435/368, 536/23.1, 536/24.1

ABSTRACT:

The present invention is an isolated and purified DNA sequence which encodes a vertebrate mRNA for a neuron specific protein, neuronatin. The mRNA is selectively expressed in brain tissue during rapid brain growth when there is a surge in neuronal proliferation and migration and is repressed in adult tissue. In the human, the genomic DNA is as set forth in SEQ ID No:6 and the cDNA has a nucleotide sequence as set forth in SEQ ID No:5, with the gene mapped to human chromosome 20q11.2-12. The deduced protein is a proteolipid that appears to have a role in ion channel regulation during brain development.

10 Claims, 14 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 67. Document ID: US 5837236 A

L7: Entry 67 of 108

File: USPT

Nov 17, 1998

US-PAT-NO: 5837236  
DOCUMENT-IDENTIFIER: US 5837236 A

TITLE: Isolated porcine pancreatic cells for use in treatment of diseases characterized by insufficient insulin activity

DATE-ISSUED: November 17, 1998

INVENTOR-INFORMATION:

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NAME	CITY	STATE	ZIP CODE	COUNTRY
Dinsmore; Jonathan	Brookline	MA		

US-CL-CURRENT: 424/93.7; 435/325

## ABSTRACT:

Isolated porcine pancreatic cells, isolated populations of such cells and methods for isolating and using the cells to treat subjects with diseases characterized by insufficient insulin activity are described. The porcine pancreatic cells are preferably non-insulin-secreting porcine pancreatic cell having the ability to differentiate into an insulin-secreting cell upon introduction into a xenogeneic subject, such as a human subject. Such cells include embryonic porcine pancreatic cells obtained from embryonic pigs between about day 31 and day 35 of gestation. The porcine pancreatic cells can be modified to be suitable for transplantation into a xenogeneic subject, for example, by altering an antigen (e.g., an MHC class I antigen) on the cell surface which is capable of stimulating an immune response against the cell in the subject (e.g., by contact with an anti-MHC class I antibody, or a fragment or derivative thereof). The isolated porcine pancreatic cells of the invention can be used to treat diseases characterized by insufficient insulin activity, e.g., Type I and Type II diabetes, by administering the cells to a subject having such a disease.

35 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Desc
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☐ 68. Document ID: US 5834309 A

L7: Entry 68 of 108

File: USPT

Nov 10, 1998

US-PAT-NO: 5834309

DOCUMENT-IDENTIFIER: US 5834309 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Vertebrate apoptosis gene: compositions and methods

DATE-ISSUED: November 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Craig B.	Chicago	IL		
Boise; Lawrence H.	Chicago	IL		
Nunez; Gabriel	Ann Arbor	MI		

US-CL-CURRENT: 435/325; 435/243, 435/320.1, 435/410, 536/23.1, 536/23.4, 536/24.1

## ABSTRACT:

The invention relates generally to compositions of and methods for obtaining and using a polypeptide other than BCL-2 that affects programmed vertebrate cell death. The invention relates as well to polynucleotides encoding those polypeptides, recombinant vectors carrying those sequences, the recombinant host cells including either the sequences or vectors, and recombinant polypeptides. The invention further provides methods for using the isolated, recombinant polypeptides in assays designed

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to select and improve substances capable of altering programmed cell death for use in diagnostic, drug design and therapeutic applications.

9 Claims, 31 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 69. Document ID: US 5834248 A

L7: Entry 69 of 108

File: USPT

Nov 10, 1998

US-PAT-NO: 5834248

DOCUMENT-IDENTIFIER: US 5834248 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Compositions and methods using rchd534, a gene uregulated by shear stress

DATE-ISSUED: November 10, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Falb; Dean	Wellesley	MA		

US-CL-CURRENT: 435/70.1; 435/320.1, 435/325, 536/23.1, 536/23.5

ABSTRACT:

The present invention relates to methods and compositions for the treatment and diagnosis of cardiovascular disease, including, but not limited to, atherosclerosis, ischemia/reperfusion, hypertension, restenosis, and arterial inflammation. Specifically, the present invention identifies and describes genes which are differentially expressed in cardiovascular disease states, relative to their expression in normal, or non-cardiovascular disease states, and/or in response to manipulations relevant to cardiovascular disease. Further, the present invention identifies and describes genes via the ability of their gene products to interact with gene products involved in cardiovascular disease. Still further, the present invention provides methods for the identification and therapeutic use of compounds as treatments of cardiovascular disease. Moreover, the present invention provides methods for the diagnostic monitoring of patients undergoing clinical evaluation for the treatment of cardiovascular disease, and for monitoring the efficacy of compounds in clinical trials. Additionally, the present invention describes methods for the diagnostic evaluation and prognosis of various cardiovascular diseases, and for the identification of subjects exhibiting a predisposition to such conditions.

17 Claims, 40 Drawing figures

Exemplary Claim Number: 1,11,12,15

Number of Drawing Sheets: 40

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 70. Document ID: US 5834188 A

L7: Entry 70 of 108

File: USPT

Nov 10, 1998

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US-PAT-NO: 5834188

DOCUMENT-IDENTIFIER: US 5834188 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods and compositions for identifying morphogen analogs

DATE-ISSUED: November 10, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harada; Shun-ichi	North Wales	PA		
Sampath; Kuber T.	Medway	MA		
Rodan; Gideon A.	Bryn Mawr	PA		

US-CL-CURRENT: 435/6; 435/325, 435/4, 536/24.1

## ABSTRACT:

Disclosed herein are methods and compositions for identifying morphogen analogs. Preferred methods rest on the use of test cells comprising DNA defining a morphogen-responsive transcription activating element operatively associated with a reporter gene. In certain embodiments, the methods involve an osteogenic protein 1 (OP-1) responsive transcription activating element. Substances that activate the OP-1 responsive transcription activating element are considered herein likely to be useful for reproducing in vivo effects of morphogens such as OP-1.

10 Claims, 12 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMAC	Draw Des
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☐ 71. Document ID: US 5830451 A

L7: Entry 71 of 108

File: USPT

Nov 3, 1998

US-PAT-NO: 5830451

DOCUMENT-IDENTIFIER: US 5830451 A

TITLE: Haematopoietic cytokine Epstein Barr virus-induced protein

DATE-ISSUED: November 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Devergne; Odile	Brookline	MA		
Kieff; Elliott D.	Brookline	MA		

US-CL-CURRENT: 424/85.1; 435/252.3, 435/320.1, 435/325, 435/69.7, 435/71.2, 530/351, 536/23.4, 536/23.5, 536/24.31

## ABSTRACT:

A novel heterodimeric haematopoietic cytokine formed from the Epstein Barr Virus-Induced protein 3 (EBI3) and the p35 subunit of Interleukin-12 (IL12) is disclosed. Substantially pure preparations of this EBI3/p35 cytokine, and antibodies thereto,

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are provided. In addition, isolated nucleic acids encoding the EBI3/p35 cytokine, and recombinant host cells transformed with these nucleic acids, are also provided. Methods of treating patients, using the EBI3/p35 cytokine or nucleic acids encoding the cytokine, are disclosed. The invention also provides for diagnostic assays for detecting pregnancy or threatened spontaneous abortion using antibodies to the cytokine.

9 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 72. Document ID: US 5824489 A

L7: Entry 72 of 108

File: USPT

Oct 20, 1998

US-PAT-NO: 5824489

DOCUMENT-IDENTIFIER: US 5824489 A

TITLE: In vitro method for obtaining an isolated population of mammalian neural crest stem cells

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Pasadena	CA		

US-CL-CURRENT: 435/7.21; 435/325, 435/375, 435/377, 435/378, 435/395, 435/402

ABSTRACT:

The invention includes methods for the isolation and clonal propagation of mammalian neural stem cells. The methods employ a novel separation and culturing regimen and bioassays for establishing the generation of neural stem cell derivatives. These methods result in the production of non-transformed neural stem cells and their progeny. The invention demonstrates, at the clonal level, the self regeneration and asymmetrical division of mammalian neural stem cells for the first time in feeder cell-independent cultures. Lineage restriction is demonstrated within a developing clone and is shown to be sensitive to the local environment. Multipotent neural stem cells cultured on a mixed substrate of poly-D-lysine and fibronectin generate PNS neurons and glia, but on fibronectin alone the stem cells generate PNS glia but not neurons. The neurogenic potential of the stem cells, while not expressed, is maintained over time on fibronectin. The invention further includes transplantation assays which allow for the identification of mammalian neural stem cells from various tissues. It also includes methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals.

21 Claims, 48 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 73. Document ID: US 5817789 A

L7: Entry 73 of 108

File: USPT

Oct 6, 1998

US-PAT-NO: 5817789

DOCUMENT-IDENTIFIER: US 5817789 A

TITLE: Chimeric proteins for use in transport of a selected substance into cells

DATE-ISSUED: October 6, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heartlein; Michael W.	Boxborough	MA		
Lemontt; Jeffrey F.	West Newton	MA		
Concino; Michael F.	Newton	MA		

US-CL-CURRENT: 536/23.4; 435/320.1, 435/325, 435/366, 435/69.1, 530/350

## ABSTRACT:

Chimeric proteins, which bind a cell surface receptors, useful in transporting a selected substance present in extracellular fluids, such as blood or lymph, into cells; quantitative assays for the selected substance using chimeric proteins; DNA encoding the chimeric proteins; plasmids which contain DNA encoding the chimeric proteins; mammalian cells, modified to contain DNA encoding the chimeric proteins, which express and, optionally, secrete the chimeric proteins; a method of producing the chimeric proteins; a method of isolating the chimeric proteins; a method of using the chimeric proteins to assay the selected substance; and a method of reducing extracellular levels of the selected substance through administration of the chimeric protein, which results in transport of the selected substance into cells.

10 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc
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☐ 74. Document ID: US 5814479 A

L7: Entry 74 of 108

File: USPT

Sep 29, 1998

US-PAT-NO: 5814479

DOCUMENT-IDENTIFIER: US 5814479 A

TITLE: Bsk receptor-like tyrosine kinase

DATE-ISSUED: September 29, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhou; Renping	Piscataway	NJ	08854	
Schulz; Nicholas T.	Pittsburg	PA	15206	
Kromer; Lawrence F.	Arlington	VA	11207	

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Woude; George F. Vande Berryville VA 22611

US-CL-CURRENT: 435/69.1; 435/194, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/348,  
536/23.2, 536/23.5, 536/24.31

## ABSTRACT:

The present invention provides a nucleic acid sequence encoding a receptor-like tyrosine kinase designated, Bsk. The Bsk receptor-like tyrosine kinase is expressed predominantly in the brain, specifically the limbic system. Also included is the receptor encoded by the Bsk nucleic acid sequence and antibodies reactive with the Bsk protein. This invention further relates to bioassays using the nucleic acid sequence, receptor protein or antibodies of this invention to diagnose, assess, or prognose a mammal afflicted with neurodegenerative disease. Therapeutic uses for the Bsk receptor-like tyrosine kinase are also provided. This invention also relates to the ligand for the Bsk receptor, and diagnostic and therapeutic uses for the Bsk ligand.

17 Claims, 35 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 19

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc
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☐ 75. Document ID: US 5811517 A

L7: Entry 75 of 108

File: USPT

Sep 22, 1998

US-PAT-NO: 5811517

DOCUMENT-IDENTIFIER: US 5811517 A

**\*\* See image for Certificate of Correction \*\***

TITLE: ICAM-related protein variants

DATE-ISSUED: September 22, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gallatin; W. Michael	Seattle	WA		
Vazeux; Rosemay	Seattle	WA		

US-CL-CURRENT: 530/350; 435/252.3, 435/320.1, 435/325, 435/69.1, 435/69.7, 536/23.1,  
536/23.4

## ABSTRACT:

DNA sequences encoding a novel human intercellular adhesion molecule polypeptide (designated "ICAM-R") and variants thereof are disclosed along with methods and materials for production of the same by recombinant procedures. Binding molecules specific for ICAM-R and variants thereof are also disclosed as useful in both the isolation of ICAM-R from natural cellular sources and the modulation of ligand/receptor binding biological activities of ICAM-R.

8 Claims, 39 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 34

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 76. Document ID: US 5795734 A

L7: Entry 76 of 108

File: USPT

Aug 18, 1998

US-PAT-NO: 5795734

DOCUMENT-IDENTIFIER: US 5795734 A

TITLE: EPH receptor ligands, and uses related thereto

DATE-ISSUED: August 18, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flanagan; John G.	Newton	MA		
Cheng; Hwai-Jong	Boston	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/7.1, 530/300, 530/350, 536/23.1, 536/23.5

## ABSTRACT:

The present invention relates to the discovery of a novel EPH receptor ligand, referred to hereinafter as "Elf-1", which protein has apparently broad involvement in the formation and maintenance of ordered spatial arrangements of differentiated tissues in vertebrates, and can be used to generate and/or maintain an array of different vertebrate tissue both in vitro and in vivo.

26 Claims, 13 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KIMC	Draw Desc
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☐ 77. Document ID: US 5789195 A

L7: Entry 77 of 108

File: USPT

Aug 4, 1998

US-PAT-NO: 5789195

DOCUMENT-IDENTIFIER: US 5789195 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Human notch and delta, binding domains in toporythmic proteins, and methods based thereon

DATE-ISSUED: August 4, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Muskavitch; Marc Alan Telander	Bloomington	IN		
Fehon; Richard Grant	Hamden	CT		

h e b b cg b cc e

Rebay; Ilaria	New Haven	CT
Blaumueeller; Christine Marie	New Haven	CT
Shepard; Scott Brockwell	Bloomington	IN

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/7.1, 530/300, 530/350,  
536/23.1, 536/23.5

## ABSTRACT:

The present invention relates to nucleotide sequences of the human Notch and Delta genes, and amino acid sequences of their encoded proteins, as well as fragments thereof containing an antigenic determinant or which are functionally active. The invention is also directed to fragments (termed herein "adhesive fragments"), and the sequences thereof, of the proteins ("toporythmic proteins") encoded by toporythmic genes which mediate homotypic or heterotypic binding to toporythmic proteins. Toporythmic genes, as used herein, refers to the genes Notch, Delta, and Serrate, as well as other members of the Delta/Serrate family which may be identified, e.g., by the methods described herein. Analogs and derivatives of the adhesive fragments which retain-binding activity are also provided. Antibodies to human Notch and to adhesive fragments are additionally provided. In specific embodiments, the adhesive fragment of Notch is that fragment comprising the Notch sequence most homologous to Drosophila Notch EGF-like repeats 11 and 12; the adhesive fragment of Delta mediating heterotypic binding is that fragment comprising the sequence most homologous to Drosophila Delta amino acids 1-230; the adhesive fragment of Delta mediating homotypic binding is that fragment comprising the sequence most homologous to Drosophila Delta amino acids 32-230; and the adhesive fragment of Serrate is that fragment comprising the sequence most homologous to Drosophila Serrate amino acids 85-283.

125 Claims, 82 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 57

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Desc.
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☐ 78. Document ID: US 5780300 A

L7: Entry 78 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780300

DOCUMENT-IDENTIFIER: US 5780300 A

TITLE: Manipulation of non-terminally differentiated cells using the notch pathway

DATE-ISSUED: July 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Artavanis-Tsakonas; Spyridon	Hamden	CT		
Fortini; Mark Edward	New Haven	CT		
Matsuno; Kenji	New Haven	CT		

US-CL-CURRENT: 435/377; 435/325, 435/366, 435/372, 435/375

## ABSTRACT:

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The present invention is directed to methods for the expansion of non-terminally differentiated cells ("precursor cells") using agonists of Notch function, by inhibiting the differentiation of the cells without inhibiting proliferation (mitotic activity) such that an expanded population of non-terminally differentiated cells is obtained. The cells are preferably stem or progenitor cells. These expanded cells can be used in cell replacement therapy to provide desired cell populations and help in the regeneration of diseased and/or injured tissues. The expanded cell populations can also be made recombinant and used for gene therapy, or can be used to supply functions associated with a particular precursor cell or its progeny cell.

40 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 12

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Desc
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☐ 79. Document ID: US 5780299 A

L7: Entry 79 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780299

DOCUMENT-IDENTIFIER: US 5780299 A

TITLE: Method of altering blood sugar levels using non-transformed human pancreatic cells that have been expanded in culture

DATE-ISSUED: July 14, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coon; Hayden G.	Gaithersburg	MD		
Ambesi-Impiomato; Francesco Saverio	Tricesimo			IT
Curcio; Francesco	Pagnacco			IT

US-CL-CURRENT: 435/366; 435/325, 435/382, 435/383, 435/391

ABSTRACT:

The present invention provides a method for producing an expanded non-transformed cell culture comprising the steps of: (1) preparing partially purified, minced tissue; (2) concentrating the resulting cells and tissue pieces; (3) resuspending the concentrated tissue cells and pieces in a culture medium capable of supporting sustained cell division that is contained in a culture vessel; (4) incubating the cells; and (5) passaging the cells periodically. The present invention further provides clonal strains of cells derived from the above-mentioned cell culture, medium and conditioned medium designed for the culturing of such cells, including pancreatic, thyroid, parathyroid, and parotid cells, and the use of cultured pancreatic cells to form pancreatic pseudotissues composed of matrix-embedded aggregated (pseudoislets) or individual cells, to treat blood sugar disorders in mammals, and to test for cytotoxicity and autoimmune activities with reference to pancreatic endocrine cells.

14 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 80. Document ID: US 5780291 A

L7: Entry 80 of 108

File: USPT

Jul 14, 1998

US-PAT-NO: 5780291

DOCUMENT-IDENTIFIER: US 5780291 A

TITLE: Wnt-x growth factor polypeptide, DNA encoding same, and Wnt-x antibody

DATE-ISSUED: July 14, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rodan; Gideon A.	Bryn Mawr	PA		
Rutledge; Su Jane	East Greenville	PA		
Schmidt; Azriel	Bryn Mawr	PA		

US-CL-CURRENT: 435/252.3; 435/320.1, 435/325, 530/350, 530/387.9, 530/399, 536/23.5

## ABSTRACT:

A novel member of the Wnt-family of growth factors, termed Wnt-x, has been identified and DNA encoding the growth factor has been isolated, purified, sequenced and expressed in host cells. This DNA encoding the novel Wnt-x protein and host cells expressing the Wnt-x protein are used to identify modulators of the Wnt-x growth factor.

6 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Desc.
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☐ 81. Document ID: US 5776762 A

L7: Entry 81 of 108

File: USPT

Jul 7, 1998

US-PAT-NO: 5776762

DOCUMENT-IDENTIFIER: US 5776762 A

TITLE: Obesity associated genes

DATE-ISSUED: July 7, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
North; Michael	La Jolla	CA		
Nishina; Patsy	Bar Harbor	ME		
Noben-Trauth; Konrad	Bar Harbor	ME		
Naggert; Juergen	Bar Harbor	ME		

US-CL-CURRENT: 435/252.3; 435/325, 435/6, 435/69.1, 536/23.1, 536/23.5, 536/24.3,  
536/24.31

## ABSTRACT:

The gene responsible for the autosomal recessive mouse obesity mutation tub was identified by positional cloning. The homologous human gene is also provided. The genes are used to produce tubby protein; in screening for compositions that modulate the expression or function of the tubby protein; and in studying associated physiological pathways. The DNA is further used as a diagnostic for genetic predisposition to obesity, retinal degeneration or cochlear degeneration. The mutation responsible for the tub phenotype is a G to T transversion that abolishes a donor splice site in the 3' coding region and results in a larger transcript containing the unspliced intron. A second, prematurely truncated transcript arises from the introduction of a premature polyadenylation site in the unspliced intron.

4 Claims, 1 Drawing figures  
Exemplary Claim Number: 1,4  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference		Claims	KNOW	Draw Des
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☐ 82. Document ID: US 5776734 A

L7: Entry 82 of 108

File: USPT

Jul 7, 1998

US-PAT-NO: 5776734

DOCUMENT-IDENTIFIER: US 5776734 A

TITLE: DNA encoding the .beta. subunit of a mammalian maxi-K potassium channel

DATE-ISSUED: July 7, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaczorowski; Gregory J.	Rahway	NJ		
Garcia; Maria L.	Rahway	NJ		
Leonard; Reid J.	Rahway	NJ		
McManus; Owen B.	Rahway	NJ		
Swanson; Richard J.	Rahway	NJ		
Folander; Kimberly L.	Rahway	NJ		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.5

## ABSTRACT:

This invention relates to a heteromultimer and its use in screening pharmaceutically active compounds for modulators of maxi-K channel activity. Such modulators are useful in treating asthma, pregnant human myometrium, hypertension and angina, cerebral ischemia and in conditions where stimulation of neurotransmitter release is desired such as Alzheimer's disease and stimulation of damaged nerves.

24 Claims, 5 Drawing figures  
Exemplary Claim Number: 1,13  
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 83. Document ID: US 5770432 A

L7: Entry 83 of 108

File: USPT

Jun 23, 1998

US-PAT-NO: 5770432

DOCUMENT-IDENTIFIER: US 5770432 A

TITLE: Obesity associated genes

DATE-ISSUED: June 23, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Nishina; Patsy	Bar Harbor	ME		
Noben-Trauth; Konrad	Bar Harbor	ME		
Naggert; Juergen	Bar Harbor	ME		
North; Michael	La Jolla	CA		

US-CL-CURRENT: 435/252.3; 435/325, 435/6, 536/23.1, 536/23.5, 536/24.31

## ABSTRACT:

The gene responsible for the autosomal recessive mouse obesity mutation tub was identified by positional cloning. The homologous human gene is also provided. The genes are used to produce tubby protein; in screening for compositions that modulate the expression or function of the tubby protein; and in studying associated physiological pathways. The DNA is further used as a diagnostic for genetic predisposition to obesity, retinal degeneration or cochlear degeneration. The mutation responsible for the tub phenotype is a G to T transversion that abolishes a donor splice site in the 3' coding region and results in a larger transcript containing the unspliced intron. A second, prematurely truncated transcript arises from the introduction of a premature polyadenylation site in the unspliced intron.

6 Claims, 1 Drawing figures

Exemplary Claim Number: 1,4,6

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Des.
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☐ 84. Document ID: US 5763217 A

L7: Entry 84 of 108

File: USPT

Jun 9, 1998

US-PAT-NO: 5763217

DOCUMENT-IDENTIFIER: US 5763217 A

TITLE: Method of using, process of preparing and composition comprising recombinant herpesvirus vectors

DATE-ISSUED: June 9, 1998

## INVENTOR-INFORMATION:

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NAME	CITY	STATE	ZIP CODE	COUNTRY
Cynader; Max	Vancouver			CA
Tufaro; Francis	Vancouver			CA

US-CL-CURRENT: 435/69.1; 435/320.1, 435/325, 435/456, 536/23.1, 536/24.1

## ABSTRACT:

Methods for treatment, processes for preparing, and compositions for delivering selected nucleic acid sequences to cells, primarily of the treatment of neurological disorders and exploring neurological functions, are disclosed. In particular, the invention provides recombinant Herpesvirus vectors with a high rate of expression of selected nucleic acid sequences and/or a low cytopathicity and its associated methods and processes.

13 Claims, 25 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Dram. Des.
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☐ 85. Document ID: US 5759855 A

L7: Entry 85 of 108

File: USPT

Jun 2, 1998

US-PAT-NO: 5759855

DOCUMENT-IDENTIFIER: US 5759855 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Methods for modifying the binding activity of cell adhesion receptors

DATE-ISSUED: June 2, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pierschbacher; Michael D.	San Diego	CA		
Grzesiak; John J.	Cardiff	CA		
Kirchhofer; Daniel	Obervil			CH

US-CL-CURRENT: 435/325; 424/600, 424/678, 424/681, 435/334, 514/492

## ABSTRACT:

The invention relates to the regulatory role of cations on the dynamics of integrin-mediated cell adhesion and migration. In one aspect, methods of promoting or inhibiting the migration of integrin-expressing cells are provided by controlling the amount of cations, such as Mg.sup.2+ or Ca.sup.2+, in contact with the integrins of the cells. Methods of modifying the binding avidity of an integrin for its ligand are also provided by regulating the concentration of cations in contact with the integrin. The invention further relates to methods of using cations for a variety of applications and in particular for promoting wound healing.

7 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Des.
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☐ 86. Document ID: US 5750103 A

L7: Entry 86 of 108

File: USPT

May 12, 1998

US-PAT-NO: 5750103

DOCUMENT-IDENTIFIER: US 5750103 A

TITLE: Method for transplanting cells into the brain and therapeutic uses therefor

DATE-ISSUED: May 12, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cherksey; Bruce D.	Hoboken	NJ		

US-CL-CURRENT: 424/93.21; 424/484, 424/486, 424/487, 424/488, 424/499, 424/500,  
424/501, 424/93.7, 435/176, 435/177, 435/178, 435/179, 435/180, 435/304.1, 435/307.1,  
435/325, 435/346, 435/366, 435/368, 435/369, 435/371, 435/374, 435/395, 435/403,  
604/57

## ABSTRACT:

A method for grafting a cell in the brain of a mammalian subject is accomplished by attaching the cell to a support matrix so that the cell attaches to the matrix surface, and implanting the support matrix with the attached cell into the brain. A syringe containing viable cells that are attached to a matrix surface may be used to transplant the cells into the brain or spinal cord of a mammalian subject. Preferred support matrices are glass or plastic microbeads, either solid or porous, having a diameter from about 90 to about 125 .mu.m. The method employs cells of different types, preferably cells of neural or paraneural origin, such as adrenal chromaffin cells. Also useful are cell lines grown in vitro. Cells not of neural or paraneural origin, such as fibroblasts, may also be used following genetic alteration to express a desired neural product such as a neurotransmitter or a neuronal growth factor. The method is used to treat neurological diseases such as Parkinson's disease, Alzheimer's disease, Huntington's disease, epilepsy, and traumatic brain injury.

11 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Des.
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☐ 87. Document ID: US 5747326 A

L7: Entry 87 of 108

File: USPT

May 5, 1998

US-PAT-NO: 5747326

DOCUMENT-IDENTIFIER: US 5747326 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Isolated nucleic acid molecules which encode mammalian .alpha.2,8 polysialyl transferases



DATE-ISSUED: May 5, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gerardy-Schahn; Rita	Hiddenhausen			DE
Fukuda; Minoru	San Diego	CA		
Nakayama; Jun	San Diego	CA		
Eckhardt; Matthias	Hanover			DE

US-CL-CURRENT: 435/325, 435/193, 435/252.3, 435/252.33, 435/320.1, 435/348, 435/358, 435/365, 435/69.1, 530/350, 536/23.2, 536/23.5

## ABSTRACT:

Isolated nucleic acid molecules encoding polysialyl transferases, and the polysialyl transferases themselves are disclosed. SEQ ID NOS: 1, 2, 7 and 8 present examples of these. The nucleic acid molecules and the proteins can be used diagnostically or therapeutically. Additionally, antisense oligonucleotides and antibodies are described, which can also be used diagnostically or therapeutically.

19 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KOMC	Draw Des
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88. Document ID: US 5733720 A

L7: Entry 88 of 108

File: USPT

Mar 31, 1998

US-PAT-NO: 5733720

DOCUMENT-IDENTIFIER: US 5733720 A

TITLE: Genetically engineered cell lines for detecting infectious herpesvirus and methods therefor

DATE-ISSUED: March 31, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Olivo; Paul D.	St. Louis	MO		

US-CL-CURRENT: 435/5, 435/207, 435/235.1, 435/320.1, 435/325, 435/69.1, 435/69.7, 435/69.8, 435/70.1, 435/8, 536/23.4, 536/23.72, 536/24.1

## ABSTRACT:

A diagnostic assay for detecting the presence of an infectious herpesvirus in a specimen and a genetically engineered cell line for use in such assay are disclosed. The cell line used in the assay expresses a reporter gene only if infectious herpesvirus is present in the specimen. The assay involves inoculating a DNA-transfected cell line with a specimen suspected of containing a herpesvirus, allowing a sufficient period of time for the herpesvirus infectious cycle to proceed, and detecting and quantifying the number of herpesvirus-infected cells to determine the number of infectious herpesvirus virions in the specimen. The cell line is a DNA-transfected cell line susceptible to infection by a herpesvirus which is stably

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transformed with a chimeric gene comprising a herpesvirus inducible promoter and a gene coding for an enzyme, the expression of the enzyme being dependent upon and quantitatively proportional to the presence of herpesvirus. A kit for such assay is also provided.

33 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc.
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☐ 89. Document ID: US 5723315 A

L7: Entry 89 of 108

File: USPT

Mar 3, 1998

US-PAT-NO: 5723315

DOCUMENT-IDENTIFIER: US 5723315 A

TITLE: Secreted proteins and polynucleotides encoding them

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jacobs; Kenneth	Newton	MA		
McCoy; John M.	Reading	MA		
LaVallie; Edward R.	Tewksbury	MA		
Racie; Lisa A.	Acton	MA		
Merberg; David	Acton	MA		
Treacy; Maurice	Chestnut Hill	MA		
Spaulding; Vikki	Billerica	MA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/325, 514/12, 530/350, 536/23.5

ABSTRACT:

Novel polynucleotides and the proteins encoded thereby are disclosed.

20 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw. Desc.
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☐ 90. Document ID: US 5712160 A

L7: Entry 90 of 108

File: USPT

Jan 27, 1998

US-PAT-NO: 5712160

DOCUMENT-IDENTIFIER: US 5712160 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Method of stimulating growth using neurotrophic peptides

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DATE-ISSUED: January 27, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Perez-Polo; J. Regino	Galveston	TX		

US-CL-CURRENT: 435/375; 435/325, 435/368, 435/7.2, 514/14, 514/2, 530/326

## ABSTRACT:

The present invention involves peptides derived from nerve growth factor receptor protein. Such peptides are characterized by competing for NGF binding to NGF receptor at high concentrations while accentuating NGF binding at low concentrations. Preferred peptides include Cys-Glu-Glu-Cys-Pro-Glu-OH, Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH, Gln-Asp-Lys-Gln-Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH and Cys-Gln-Asp-Lys-Gln-Asn-Thr-Val-Cys-Glu-Glu-Cys-Pro-Glu-OH.

7 Claims, 10 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw. Desc.
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☐ 91. Document ID: US 5695995 A

L7: Entry 91 of 108

File: USPT

Dec 9, 1997

US-PAT-NO: 5695995

DOCUMENT-IDENTIFIER: US 5695995 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Neurogenic differentiation (neurod) genes

DATE-ISSUED: December 9, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weintraub, deceased; Harold M.	late of Seattle	WA		
Lee; Jacqueline E.	Denver	CO		
Hollenberg; Stanley M.	Portland	OR		
Tapscott; Stephen J.	Seattle	WA		

US-CL-CURRENT: 435/455; 435/252.33, 435/320.1, 435/325, 435/357, 435/360, 435/69.1, 435/69.4, 536/23.1, 536/23.5, 536/23.51

## ABSTRACT:

Neurogenic differentiation genes and proteins are identified, isolated, and sequenced. Expression of neuroD has been demonstrated in neural, pancreatic, and gastrointestinal cells. Ectopic expression of neuroD in non-neuronal cells of Xenopus embryos induced formation of neurons.

8 Claims, 1 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc
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☐ 92. Document ID: US 5691179 A

L7: Entry 92 of 108

File: USPT

Nov 25, 1997

US-PAT-NO: 5691179

DOCUMENT-IDENTIFIER: US 5691179 A

TITLE: Cell death regulators

DATE-ISSUED: November 25, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	St. Louis	MO		

US-CL-CURRENT: 435/355; 435/252.3, 435/254.11, 435/320.1, 435/325, 435/372,  
435/372.2, 536/23.5, 536/24.31

## ABSTRACT:

A Bcl-2 associated protein (Bax) and uses thereof.

20 Claims, 42 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Desc
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☐ 93. Document ID: US 5690926 A

L7: Entry 93 of 108

File: USPT

Nov 25, 1997

US-PAT-NO: 5690926

DOCUMENT-IDENTIFIER: US 5690926 A

TITLE: Pluripotential embryonic cells and methods of making same

DATE-ISSUED: November 25, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hogan; Brigid L. M.	Brentwood	TN		

US-CL-CURRENT: 424/93.1; 424/9.1, 424/93.21, 435/325, 435/352, 435/353, 435/366

## ABSTRACT:

The claimed invention is directed towards non-murine pluripotential cells that have the ability to be passaged in vitro for at least 20 passages and which differentiate in culture into a variety of tissues. The scope of the claimed cells includes any non-murine ES cells and particular claims are drawn to human pluripotential cells.

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7 Claims, 21 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Des
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☐ 94. Document ID: US 5681714 A

L7: Entry 94 of 108

File: USPT

Oct 28, 1997

US-PAT-NO: 5681714

DOCUMENT-IDENTIFIER: US 5681714 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Nucleic acid encoding tek receptor tyrosine kinase

DATE-ISSUED: October 28, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Breitman, deceased; Martin L.	late of Willowdale			CA
Rossant; Janet	Toronto			CA
Dumont; Daniel J.	Oakville			CA
Yamaguchi; Terry P.	Toronto			CA

US-CL-CURRENT: 435/69.1; 435/194, 435/252.3, 435/254.11, 435/320.1, 435/325, 435/352,  
435/358, 435/365, 435/367

ABSTRACT:

Novel receptor tyrosine kinase protein and isoforms thereof which are expressed in cells of the endothelial lineage, and DNA segments encoding the novel protein and isoforms thereof are disclosed. Methods for identifying ligands which are capable of binding to the receptor protein and methods for screening for agonist or antagonist substances of the interaction of the protein and a ligand are also disclosed.

14 Claims, 70 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 70

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Des
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☐ 95. Document ID: US 5679545 A

L7: Entry 95 of 108

File: USPT

Oct 21, 1997

US-PAT-NO: 5679545

DOCUMENT-IDENTIFIER: US 5679545 A

TITLE: Gene encoding cardiac hypertrophy factor

DATE-ISSUED: October 21, 1997

INVENTOR-INFORMATION:

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NAME	CITY	STATE	ZIP CODE	COUNTRY
Baker; Joffre	El Granada	CA		
Chien; Kenneth	La Jolla	CA		
King; Kathleen	Pacifica	CA		
Pennica; Diane	Burlingame	CA		
Wood; William	San Mateo	CA		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 536/23.5

## ABSTRACT:

Isolated CT-1, isolated DNA encoding CT-1, and recombinant or synthetic methods of preparing CT-1 are disclosed. These CT-1 molecules are shown to influence hypertrophic activity and neurological activity. Accordingly, these compounds or their antagonists may be used for treatment of heart failure, arrhythmic disorders, inotropic disorders, and neurological disorders.

18 Claims, 8 Drawing figures  
Exemplary Claim Number: 1,8,9,10  
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWAC	Draw Des
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☐ 96. Document ID: US 5679340 A

L7: Entry 96 of 108

File: USPT

Oct 21, 1997

US-PAT-NO: 5679340

DOCUMENT-IDENTIFIER: US 5679340 A

TITLE: Cells with multiple altered epitopes on a surface antigen for use in transplantation

DATE-ISSUED: October 21, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chappel; Scott C.	Milton	MA		

US-CL-CURRENT: 424/93.1; 435/325, 435/366, 435/368, 435/370, 435/371, 435/372

## ABSTRACT:

Cells suitable for transplantation which have at least two different epitopes on a surface antigen altered prior to transplantation to inhibit rejection of the cells following transplantation into an allogeneic or xenogeneic recipient are disclosed. These cells are more successfully transplanted than cells which have only a single epitope on the surface antigen altered. Preferably, the antigen on the cell surface which is altered is an MHC class I antigen. Two different epitopes on an MHC class I antigen can be altered by contacting the cell with two molecules, such as antibodies or fragments thereof (e.g., F(ab').sub.2 fragments), which bind to two different epitopes on the antigen. Preferred epitopes on human MHC class I antigens to be altered are epitopes recognized by the monoclonal antibodies W6/32 and PT85. Improved methods for transplantation utilizing cells which have at least two different epitopes on a surface antigen altered prior to transplantation are also disclosed.

28 Claims, 5 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawing Des
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☐ 97. Document ID: US 5672499 A

L7: Entry 97 of 108

File: USPT

Sep 30, 1997

US-PAT-NO: 5672499  
DOCUMENT-IDENTIFIER: US 5672499 A

TITLE: Immortalized neural crest stem cells and methods of making

DATE-ISSUED: September 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/353; 435/320.1, 435/325, 435/368, 435/467, 435/69.1

ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

8 Claims, 62 Drawing figures  
Exemplary Claim Number: 1,2  
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Drawing Des
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☐ 98. Document ID: US RE35585 E

L7: Entry 98 of 108

File: USPT

Aug 12, 1997

US-PAT-NO: RE35585  
DOCUMENT-IDENTIFIER: US RE35585 E

TITLE: DNA vector with isolated cDNA gene encoding metalloproteinase

DATE-ISSUED: August 12, 1997

h e b b c g b c c e

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernandez-Pol; Jose A.	Chesterfield	MO	63017	

US-CL-CURRENT: 536/23.5; 435/252.3, 435/325, 435/348, 435/69.1, 435/69.7, 536/24.31

## ABSTRACT:

A novel DNA sequence is disclosed which encodes a protein associated with many human cancers. This protein is designated as metallopanstimulin-1 (MPS-1) since (1) it is associated with metal ions, particularly zinc; (2) it has been detected in numerous different types of cells; (3) it is associated with rapid cell proliferation. The MPS-1 mRNA and its encoded protein are expressed in normal cells to a much lesser degree than in premalignant or malignant tumor cells, and they are present at very low levels in senescent cells compared to young healthy cells. The DNA sequence and the protein can be used in diagnostic methods such as detection of malignant cells associated with several types of tumors. Thus, this invention discloses a method for determining the presence of certain types of malignant conditions in patients. The MPS-1 cDNA sequence has been inserted into convenient vectors, and a culture of E. coli cells containing the sequence has been deposited with the American Type Culture Collection (ATCC), under accession number ATCC 68656.

20 Claims, 11 Drawing figures

Exemplary Claim Number: 10

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des.
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☐ 99. Document ID: US 5654183 A

L7: Entry 99 of 108

File: USPT

Aug 5, 1997

US-PAT-NO: 5654183

DOCUMENT-IDENTIFIER: US 5654183 A

TITLE: Genetically engineered mammalian neural crest stem cells

DATE-ISSUED: August 5, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Newton	MA		

US-CL-CURRENT: 435/456; 435/320.1, 435/325, 435/353, 435/368, 435/69.1

## ABSTRACT:

The invention includes mammalian multipotent neural stem cells and their progeny and methods for the isolation and clonal propagation of such cells. At the clonal level the stem cells are capable of self regeneration and asymmetrical division. Lineage restriction is demonstrated within developing clones which are sensitive to the local environment. The invention also includes such cells which are transfected with foreign nucleic acid, e.g., to produce an immortalized neural stem cell. The invention further includes transplantation assays which allow for the identification of mammalian multipotent neural stem cells from various tissues and methods for transplanting mammalian neural stem cells and/or neural or glial progenitors into



mammals. A novel method for detecting antibodies to neural cell surface markers is disclosed as well as a monoclonal antibody to mouse LNGFR.

17 Claims, 62 Drawing figures  
Exemplary Claim Number: 1,4  
Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. Desc
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☐ 100. Document ID: US 5646008 A

L7: Entry 100 of 108

File: USPT

Jul 8, 1997

US-PAT-NO: 5646008

DOCUMENT-IDENTIFIER: US 5646008 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Vertebrate apoptosis gene: compositions and methods

DATE-ISSUED: July 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; Craig B.	Chicago	IL		
Boise; Lawrence H.	Chicago	IL		
Nunez; Gabriel	Ann Arbor	MI		

US-CL-CURRENT: 435/69.1; 435/253.3, 435/320.1, 435/325, 435/350, 435/354, 435/356,  
435/358, 435/364, 435/365, 435/366, 435/367, 435/369, 536/23.5, 536/24.31, 536/24.33

ABSTRACT:

The invention relates generally to compositions of and methods for obtaining and using a polypeptide other than BCL-2 that affects programmed vertebrate cell death. The invention relates as well to polynucleotides encoding those polypeptides, recombinant vectors carrying those sequences, the recombinant host cells including either the sequences or vectors, and recombinant polypeptides. The invention further provides methods for using the isolated, recombinant polypeptides in assays designed to select and improve substances capable of altering programmed cell death for use in diagnostic, drug design and therapeutic applications.

12 Claims, 31 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWAC	Draw. Desc
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[Go to Doc#](#)

# Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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## Search Results - Record(s) 101 through 108 of 108 returned.

### ☐ 101. Document ID: US 5622852 A

L7: Entry 101 of 108

File: USPT

Apr 22, 1997

US-PAT-NO: 5622852

DOCUMENT-IDENTIFIER: US 5622852 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Bcl-x/Bcl-2 associated cell death regulator

DATE-ISSUED: April 22, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Korsmeyer; Stanley J.	Clayton	MO		

US-CL-CURRENT: 435/325; 435/252.3, 435/252.33, 435/254.11, 435/348, 536/23.4,  
536/23.5, 536/24.31, 536/24.33

## ABSTRACT:

The invention provides a bcl-2 related protein, Bad, Bad muteins, two-hybrid systems comprising interacting Bad polypeptide sequences, Bad polynucleotides, and uses thereof.

9 Claims, 34 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Des.
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### ☐ 102. Document ID: US 5618531 A

L7: Entry 102 of 108

File: USPT

Apr 8, 1997

US-PAT-NO: 5618531

DOCUMENT-IDENTIFIER: US 5618531 A

TITLE: Method for increasing the viability of cells which are administered to the brain or spinal cord

DATE-ISSUED: April 8, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cherksey; Bruce D.	Hoboken	NJ		

h e b b cg b cc e

US-CL-CURRENT: 424/93.7; 424/93.1, 435/174, 435/176, 435/177, 435/180, 435/325

## ABSTRACT:

A method for increasing the viability of viable cells which are administered to the brain or spinal cord of a mammalian subject. This method is accomplished by attaching the cell to a support matrix so that the cell attaches to the matrix surface, and implanting the support matrix with the attached cell into the brain or spinal cord. Preferred support matrices are glass or plastic microbeads, either solid or porous, having a diameter from about 90 to about 125 .mu.m. The method employs cells of different types, preferably cells of neural or paraneural origin, such as adrenal chromaffin cells. Also useful are cell lines grown in vitro. Cells not of neural or paraneural origin, such as fibroblasts, may also be used following genetic alteration to express a desired neural product such as a neurotransmitter or a neuronal growth factor. The method is used to treat neurological diseases such as Parkinson's disease, Alzheimer's disease, Huntington's disease, epilepsy, and traumatic brain injury.

20 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw Des
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☐ 103. Document ID: US 5595904 A

L7: Entry 103 of 108

File: USPT

Jan 21, 1997

US-PAT-NO: 5595904

DOCUMENT-IDENTIFIER: US 5595904 A

TITLE: Family of map2 protein kinases

DATE-ISSUED: January 21, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boulton; Teri G.	Irving	TX		
Cobb; Melanie H.	Dallas	TX		
Yancopoulos; George D.	Elmhurst	NY		
Nye; Steven	New York	NY		
Panayotatos; Nikos	Orangeburg	NY		

US-CL-CURRENT: 435/325; 435/243, 435/252.8, 435/254.2, 435/320.1, 435/348, 435/353, 536/23.5

## ABSTRACT:

The present invention relates to a newly identified family of protein serine/threonine kinases which phosphorylate microtubule-associated protein 2 (MAP2). It is based, in part, on the cloning and characterization of novel MAP2 kinases designated extracellular signal-regulated kinase 1, 2, and 3 (ERK1, ERK2, ERK3) which are expressed in the central nervous system, and on the identification of another ERK family member, ERK4, with antisera. The present invention provides for recombinant nucleic acid molecules and proteins representing members of the MAP2 kinase family, and also for microorganisms, transgenic animals, and cell lines comprising recombinant MAP2 kinase molecules. In additional embodiments of the invention, the

present invention provides for methods for assaying cellular factor activity, including, but not limited to, nerve growth factor activity, in which the activation of MAP2 kinase serves as an indicator of cellular factor activity. These methods may be extremely useful in screening compounds for the presence of a desired cellular factor activity. In specific embodiments, compounds which may be useful in the treatment of Alzheimer's disease, peripheral neuropathies, and diabetes may be identified using the methods of the invention.

20 Claims, 30 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 23

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Des
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☐ 104. Document ID: US 5589376 A

L7: Entry 104 of 108

File: USPT

Dec 31, 1996

US-PAT-NO: 5589376

DOCUMENT-IDENTIFIER: US 5589376 A

TITLE: Mammalian neural crest stem cells

DATE-ISSUED: December 31, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Anderson; David J.	Altadena	CA		
Stemple; Derek L.	Pasadena	CA		

US-CL-CURRENT: 435/325; 435/350, 435/351, 435/353, 435/363, 435/368

ABSTRACT:

The invention includes methods for the isolation and clonal propagation of mammalian neural crest stem cells and isolated cellular compositions comprising the same. The methods employ a novel separation and culturing regimen and bioassays for establishing the generation of neural crest stem cell derivatives. These methods result in the production of non-transformed neural crest stem cells and their progeny. The invention demonstrates, at the clonal level, the self regeneration and asymmetrical division of mammalian neural crest stem cells for the first time in feeder cell-independent cultures. Lineage restriction is demonstrated within a developing clone and is shown to be sensitive to the local environment. Neural crest stem cells cultured on a mixed substrate of poly-D-lysine and fibronectin generate PNS neurons and glia, but on fibronectin alone the stem cells generate PNS glia but not neurons. The neurogenic potential of the stem cells, while not expressed, is maintained over time on fibronectin. The invention further includes transplantation assays which allow for the identification of mammalian neural crest stem cells from various tissues. It also includes methods for transplanting mammalian neural crest stem cells and/or neural or glial progenitors into mammals.

10 Claims, 48 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw Des
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☐ 105. Document ID: US 5578462 A

L7: Entry 105 of 108

File: USPT

Nov 26, 1996

US-PAT-NO: 5578462

DOCUMENT-IDENTIFIER: US 5578462 A

**\*\* See image for Certificate of Correction \*\***

TITLE: NF2 isoforms

DATE-ISSUED: November 26, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Seizinger; Bernd R.	Stockton	NJ		
Kley; Nikolai A.	Princeton	NJ		
Bianchi; Albert B.	Princeton	NJ		

US-CL-CURRENT: 435/69.1; 435/252.3, 435/320.1, 435/325, 435/352, 435/358, 435/365,  
435/367, 530/350, 536/22.1, 536/23.1 , 536/23.5

## ABSTRACT:

Novel human and mouse NF2 transcript isoforms and proteins encoded thereby, are disclosed. The isoforms are found in a variety of tissue and tumor types and represent differential processing of genomic DNA sequences, at the level of transcription, resulting in variant proteins. The isoforms provide useful tools for the analysis of the normal function of tumor suppressor factors, such as the merlin protein, and also provide useful markers for the detection of NF2 disease.

16 Claims, 18 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 106. Document ID: US 5532156 A

L7: Entry 106 of 108

File: USPT

Jul 2, 1996

US-PAT-NO: 5532156

DOCUMENT-IDENTIFIER: US 5532156 A

TITLE: Hepatocyte cell line derived from the epiblast of pig blastocysts

DATE-ISSUED: July 2, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Talbot; Neil	Silver Spring	MD		
Rexroad, Jr.; Caird E.	Gambrills	MD		
Pursel; Vernon G.	Highland	MD		
Powell; Anne M.	Bowie	MD		

h e b b cg b cc e

US-CL-CURRENT: 435/325; 435/373, 435/379

## ABSTRACT:

Continuous cultures of pluripotent parenchymal hepatocytes were derived from the epiblasts of pig blastocysts. The cultures are feeder-dependent and grow slowly with doubling times of 3 to 4 days. They differentiate into large secretory duct-like structures or form small canaliculi. Alternatively, the cells accumulate droplets that stain intensely with oil red O, a lipid-specific stain. .alpha.-Fetoprotein and albumin mRNA expression increases as the cells differentiate in culture.

5 Claims, 32 Drawing figures

Exemplary Claim Number: 1,3

Number of Drawing Sheets: 17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWAC	Draw Des
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☐ 107. Document ID: US 5523226 A

L7: Entry 107 of 108

File: USPT

Jun 4, 1996

US-PAT-NO: 5523226

DOCUMENT-IDENTIFIER: US 5523226 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Transgenic swine compositions and methods

DATE-ISSUED: June 4, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wheeler; Matthew B.	Tolono	IL		

US-CL-CURRENT: 435/325; 424/9.1, 435/378, 435/7.23

## ABSTRACT:

Transgenic swine, and compositions and methods for making and using same, are provided. Central to the invention are porcine (*Sus scrofa*) embryonic stem cell lines and methods for establishing them. Cells of such lines are transformed with exogenous genetic material of interest and then used to provide chimeric swine, which have germ cells comprising the exogenous genetic material. The chimeric swine are bred to provide transgenic swine. Transgenic swine of the invention can be used to provide human proteins or peptide hormones or can be used as xenograft donors.

5 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWAC	Draw Des
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☐ 108. Document ID: US 5411883 A

L7: Entry 108 of 108

File: USPT

May 2, 1995

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US-PAT-NO: 5411883

DOCUMENT-IDENTIFIER: US 5411883 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Proliferated neuron progenitor cell product and process

DATE-ISSUED: May 2, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boss; Barbara D.	Alameda	CA		
Spector; Dennis H.	Oakland	CA		

US-CL-CURRENT: 435/29; 435/325, 435/368, 435/378

## ABSTRACT:

This invention is based on the development of procedures for isolation and proliferation of neuron progenitor cells and is directed to growth, storage, production and implantation of proliferated neuron progenitor cells. The isolation and culture methods are designed to proliferate mammalian ventral mesencephalon neuron progenitor cells in vitro to produce a culture which differentiates to produce dopamine-producing cells. The products of this invention include a culture containing neuron progenitor cells, preferably, grown as aggregates in suspension cultures. The process of this invention for preparing neuron progenitor cells comprises obtaining ventral mesencephalon tissue from a donor at the appropriate stage of embryonic development; dissociation of the tissue to obtain single cells and small cell clusters for culture; culturing the neuron progenitor cells in an initial culture medium which selects for a novel cell culture containing neuron progenitor cells and growing the cells for a period of time in a second medium, during which the neuron progenitor cells proliferate.

16 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	NUM	Draw Desc
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## Search Results - Record(s) 1 through 11 of 11 returned.

☐ 1. Document ID: US 6780611 B1

L8: Entry 1 of 11

File: USPT

Aug 24, 2004

US-PAT-NO: 6780611

DOCUMENT-IDENTIFIER: US 6780611 B1

TITLE: Polynucleotide encoding neuromedin U receptor

DATE-ISSUED: August 24, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Harland; Lee	Kent			GB

US-CL-CURRENT: 435/69.1; 435/252.3, 435/254.11, 435/320.1, 435/325, 536/23.5

## ABSTRACT:

Polynucleotide and polypeptide sequences are described. The polypeptide sequences comprise one or more of: (a) a polypeptide having the deduced amino acid sequence translated from the polynucleotide sequence in SEQ ID NO: 1 and variants, fragments, homologues, analogues and derivatives thereof; (b) a polypeptide of SEQ ID NO: 2 and variants, fragments, homologues, analogues and derivatives thereof; or (c) a polypeptide encoded by the cDNA of NCIMB 41066 and variants, fragments, homologues, analogues and derivatives thereof.

8 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Draw. Des.
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☐ 2. Document ID: US 6777235 B1

L8: Entry 2 of 11

File: USPT

Aug 17, 2004

US-PAT-NO: 6777235

DOCUMENT-IDENTIFIER: US 6777235 B1

TITLE: Complementation trap

DATE-ISSUED: August 17, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Ong; Christopher J.	Vancouver	CA
Priatel; John J.	West Vancouver	CA
Jirik; Frank R.	Vancouver	CA

US-CL-CURRENT: 435/455; 435/320.1, 435/325, 435/462, 435/463, 435/465, 435/6,  
536/23.2, 536/23.5, 536/23.7, 800/18

## ABSTRACT:

Methods and DNA constructs are provided for detection and manipulation of a target eukaryotic gene whose expression is restricted to certain tissues or specialized cell types. The methods include transforming a cell with a first indicator component under the control of a promoter selected for its restricted expression in a particular cell or tissue. The cell is also transformed with a gene trap vector encoding a second indicator component. The cell is allowed to differentiate to produce specialized cell or tissue which is monitored for expression of both the first and second indicator components, thereby detecting a gene into which the trap vector has integrated which is expressed in the same cell or tissue type as the selected promoter.

13 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. Desc.
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☐ 3. Document ID: US 6777195 B2

L8: Entry 3 of 11

File: USPT

Aug 17, 2004

US-PAT-NO: 6777195

DOCUMENT-IDENTIFIER: US 6777195 B2

TITLE: Pharmaceutical dipeptide compositions and methods of use thereof:  
immunostimulants

DATE-ISSUED: August 17, 2004

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kozhemyakin; Andrei L.	St. Petersburg			RU
Sinackevich; Nickolai V.	St. Petersburg			RU
Seryi; Sergey V.	St. Petersburg			RU
Rakhilov; Alexei M.	St. Petersburg			RU
Morozov; Vyacheslav G.	St. Petersburg			RU
Khavinson; Vladimir Kh.	St. Petersburg			RU

US-CL-CURRENT: 435/7.24; 435/325, 435/326

## ABSTRACT:

Methods of treatment of subjects for decreasing cell mediated autoimmunity or humoral autoimmunity by administering an R'-Glu-Trp-R" pharmaceutical preparation useful in subjects having autoimmune diseases.

24 Claims, 16 Drawing figures

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Exemplary Claim Number: 1  
Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw. Des.
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☐ 4. Document ID: US 6593133 B1

L8: Entry 4 of 11

File: USPT

Jul 15, 2003

US-PAT-NO: 6593133

DOCUMENT-IDENTIFIER: US 6593133 B1

TITLE: Neurotrophic factors

DATE-ISSUED: July 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Johansen; Teit E.	Horsholm			DK
Blom; Nikolaj	Copenhagen			DK
Hansen; Claus	Holbaek			DK

US-CL-CURRENT: 435/325; 435/252.1, 435/252.3, 435/320.1, 435/455, 435/471, 435/69.1,  
435/91.1, 435/91.3, 530/350, 530/351, 536/23.1, 536/23.5

ABSTRACT:

The invention relates to neublastin neurotrophic factor polypeptides, nucleic acids encoding neublastin polypeptides, and antibodies that bind specifically to neublastin polypeptides, as well as methods of making and methods of using the same.

22 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWOC	Draw. Des.
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☐ 5. Document ID: US 6558950 B1

L8: Entry 5 of 11

File: USPT

May 6, 2003

US-PAT-NO: 6558950

DOCUMENT-IDENTIFIER: US 6558950 B1

TITLE: Methods and reagents for modulating apoptosis

DATE-ISSUED: May 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shore; Gordon C.	Montreal			CA
Ng; Florence W. H.	Boston	MA		
Nguyen; Mai	Quebec			CA

h e b b g e e e f e h e f b e

Branton; Philip E.

Quebec

CA

US-CL-CURRENT: 435/375; 435/320.1, 435/325, 435/455, 435/7.1, 530/350, 536/23.4,  
536/23.5

## ABSTRACT:

The invention features p28 Bap31 polypeptides and nucleic acids. The invention also features methods for modulating apoptosis using these polypeptides and nucleic acids, and methods for identifying apoptosis-modulating compounds.

9 Claims, 24 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 6. Document ID: US 6500939 B1

L8: Entry 6 of 11

File: USPT

Dec 31, 2002

US-PAT-NO: 6500939

DOCUMENT-IDENTIFIER: US 6500939 B1

TITLE: cDNAs coding for human proteins having transmembrane domains

DATE-ISSUED: December 31, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kato; Seishi	Sagamihara			JP
Sekine; Shingo	Ageo			JP

US-CL-CURRENT: 536/23.1; 435/320.1, 435/325, 435/366

## ABSTRACT:

The invention provides cDNAs coding for human proteins having transmembrane domains and eucaryotic cells expressing said cDNAs. The cDNAs of the invention can be utilized as probes for the gene diagnosis and gene sources for the gene therapy. Furthermore, the cDNAs can be utilized for large-scale expression of said proteins. Cells, wherein these membrane protein genes are introduced and membrane proteins are expressed in large amounts, can be utilized for detection of the corresponding ligands, screening of novel low-molecular pharmaceuticals, and so on.

12 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 7. Document ID: US 6485970 B1

L8: Entry 7 of 11

File: USPT

Nov 26, 2002

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US-PAT-NO: 6485970

DOCUMENT-IDENTIFIER: US 6485970 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Immunointeractive antibody

DATE-ISSUED: November 26, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cone; Robert E.	Unionville	CT	06085	
Georgiou; George M.	Fawkner, Victoria			AU
Little; Colin H.	Glen Waverley, Victoria			AU

US-CL-CURRENT: 435/335; 424/130.1, 424/137.1, 424/141.1, 424/152.1, 424/153.1,  
424/154.1, 424/156.1, 424/158.1, 424/172.1, 424/173.1, 424/178.1, 435/325, 435/326,  
435/329, 435/332, 435/337, 435/343, 435/343.1, 435/343.2, 435/344.1, 435/346,  
530/387.1, 530/387.5, 530/388.1, 530/388.2, 530/388.23, 530/388.25, 530/388.7,  
530/388.73, 530/388.75, 530/388.85

## ABSTRACT:

The present invention relates generally to immunointeractive molecules and their use inter alia in the detection and/or purification of T-cell antigen binding molecules (TABMs). The ability to determine the presence and levels of particular TABMs provides a useful diagnostic procedures for a variety of disease conditions.

5 Claims, 61 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 60

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc
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☐ 8. Document ID: US 6479283 B1

L8: Entry 8 of 11

File: USPT

Nov 12, 2002

US-PAT-NO: 6479283

DOCUMENT-IDENTIFIER: US 6479283 B1

TITLE: Stimulation, culture and preservation of pancreatic cells

DATE-ISSUED: November 12, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
M.ang.nsson; Per	Sollentuna			SE
Lundin; Tomas	Enkoping			SE
Busch; Christer	Troms.o slashed.			SE

US-CL-CURRENT: 435/325; 435/366, 435/404

## ABSTRACT:

A method for stimulating pancreatic cells to synthesize and/or excrete insulin

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comprises contacting insulin-producing cells, in particular their aqueous suspension, with a water-soluble cellulose derivative, in particular selected from alkylated, hydroxyalkylated, and alkylated-hydroxyalkylated cellulose or a mixture thereof. A medium for the culture of pancreatic .beta.-cells contains an effective cell-stimulating amount of a cellulose derivative. It can be used to stimulate pancreatic .beta.-cells to produce and/or excrete insulin. An apparatus for such stimulation comprises a container holding a solution of a cellulose derivative in an aqueous culture medium. Stimulation of pancreatic .beta.-cells by a cellulose derivative is useful in the management of diabetes. Further preservative or therapeutic methods using the aqueous cellulose derivatives are disclosed.

16 Claims, 7 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Dram Des
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9. Document ID: US 6436701 B1

L8: Entry 9 of 11

File: USPT

Aug 20, 2002

US-PAT-NO: 6436701  
DOCUMENT-IDENTIFIER: US 6436701 B1

TITLE: Derivation of pluripotential embryonic cell lines from ungulate species

DATE-ISSUED: August 20, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Evans; Martin John	Cambridge			GB
Moor; Robert Michael	Babraham			GB
Notaranni; Elena	Cambridge			GB

US-CL-CURRENT: 435/325; 435/383, 435/391, 435/392

ABSTRACT:

A method of selecting and growing pluripotential embryonic stem cells isolated from an ungulate species blastocysts of embryos that develop by way of an embryonic disc is disclosed. The method comprises growing blastocysts in tissue culture growth medium which includes both heat-inactivated new born calf serum and heat-inactivated fetal calf serum; disaggregating the blastocysts either after spontaneous hatching or after mechanical removal of the zone pellucida; growing stem cell colonies from the disaggregated cells in issue culture growth medium; selecting stem cell colonies by morphological characteristics; and growing the selected stem cells in tissue culture growth medium. The cells are round cells, tightly packed with large nuclei in relation to cytoplasm, and fairly prominent nucleoli. They grow in tightly adherent coloedes and as the colonies get larger the cells tend to flatten out in the center of the colony. The outer, less flattened cells of a larger colony or all the cells of a smaller colony without central flattening are readily disaggregated by trypsinization into small spherical cells which have a bright phase contrast appearance, and if observed after a short time of incubation at 37.degree. C. they show lobular pseudopodia.

2 Claims, 15 Drawing figures  
Exemplary Claim Number: 1  
Number of Drawing Sheets: 7

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Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 10. Document ID: US 6337072 B1

L8: Entry 10 of 11

File: USPT

Jan 8, 2002

US-PAT-NO: 6337072

DOCUMENT-IDENTIFIER: US 6337072 B1

TITLE: Interleukin-1 receptor antagonist and recombinant production thereof

DATE-ISSUED: January 8, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ford; John	San Mateo	CA		
Pace; Ann	Scotts Valley	CA		

US-CL-CURRENT: 424/198.1; 424/1.69, 435/252.3, 435/320.1, 435/325, 435/69.1,  
435/69.52, 514/2, 530/350, 530/351, 530/402 , 536/23.5

## ABSTRACT:

The present invention provides novel nucleic acids, the novel polypeptide sequences encoded by these nucleic acids and uses thereof. These novel polynucleotide and polypeptide sequences were determined to be a novel Interleukin-1 Receptor Antagonist.

37 Claims, 4 Drawing figures

Exemplary Claim Number: 1,15

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Des
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☐ 11. Document ID: US 6228610 B1

L8: Entry 11 of 11

File: USPT

May 8, 2001

US-PAT-NO: 6228610

DOCUMENT-IDENTIFIER: US 6228610 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Human metabotropic glutamate receptor subtypes (hmR4, hmR6, hmR7) and related DNA compounds

DATE-ISSUED: May 8, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Flor; Peter Josef	Freiburg			DE
Kuhn; Rainer	Lorrach			DE
Lindauer; Kristin	Basel			CH

h e b b g c e e f e h e f b e

Puttner; Irene	Basel	CH
Knopfel; Thomas	Rheinfelden	CH

US-CL-CURRENT: [435/69.1](#); [435/320.1](#), [435/325](#), [435/7.1](#), [530/350](#), [536/23.5](#)

## ABSTRACT:

The present invention relates to human metabotropic glutamate receptor (hmGluR) proteins, isolated nucleic acids coding therefor, host cells producing the proteins of the invention, methods for the preparation of such proteins, nucleic acids and host cells, and uses thereof.

18 Claims, 0 Drawing figures  
Exemplary Claim Number: 1

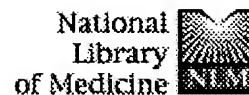
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
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
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
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

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








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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

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















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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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


















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
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
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
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
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
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
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
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
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
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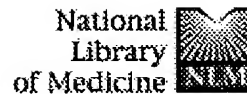
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## Culturing the epiblast cells of the pig blastocyst.

Talbot NC, Rexroad CE Jr, Pursel VG, Powell AM, Nel ND.

U.S. Department of Agriculture, Beltsville Agricultural Research Center, Maryland 20705.

Pig epiblast cells that had been separated from other early embryonic cells were cultured in vitro. A three-step dissection protocol was used to isolate the epiblast from trophectoderm and primitive endoderm before culturing. Blastocysts collected at 7 to 8 days postestrus were immunodissected to obtain the inner cell mass (ICM) and destroy trophectodermal cells. The ICM was cultured for 2 to 3 days on STO feeder cells. The epiblast was then physically dissected free of associated primitive endoderm. Epiblast-derived cells, grown on STO feeders, produced colonies of small cells resembling mouse embryonic stem cells. This primary cell morphology changed as the colonies grew and evolved into three distinct colony types (endodermlike, neural rosette, or complex). Cell cultures derived from these three colony types spontaneously differentiated into numerous specialized cell types in STO co-culture. These included fibroblasts, endodermlike cells, neuronlike cells, pigmented cells, adipogenic cells, contracting muscle cells, dome-forming epithelium, ciliated epithelium, tubule-forming epithelium, and a round amoeboid cell type resembling a plasmacyte after Wright staining. The neuronlike cells, contracting muscle cells, and tubule-forming epithelium had normal karyotypes and displayed finite or undefined life spans upon long-term STO co-culture. The dome-forming epithelium had an indefinite life span in STO co-culture and also retained a normal karyotype. These results demonstrate the in vitro pluripotency of pig epiblast cells and indicate the epiblast can be a source for deriving various specialized cell cultures or cell lines.

PMID: 8354665 [PubMed - indexed for MEDLINE]

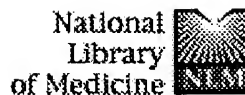
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

















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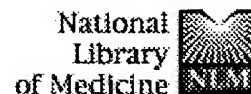
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
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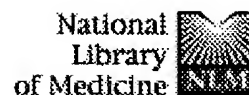
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## Isolation and characterization of a feeder-dependent, porcine trophectoderm cell line obtained from a 9-day blastocyst.

Flechon JE, Laurie S, Notarianni E.

Laboratoire de Biologie Cellulaire et Moléculaire, INRA, Jouy-En-Josas, France.

We have established in culture a feeder-dependent cell line, termed TE1, from a 9 day, pre-implantation, porcine embryo. TE1 cells were observed by light and electron microscopy, and characterized by immunocytochemistry: the morphology, cytology and ultrastructure of this cell line are described. The cells display epithelial characteristics, as revealed using immunofluorescence microscopy with antibody against cytokeratins of simple epithelia, but not with antibody against vimentin. The cells demonstrate many morphological and cytochemical features in common with trophectoderm of the intact porcine blastocyst. For example, TE1 cells are polarized and possess tight junctions at their borders, similar to those found in trophectoderm of the pre-implantation embryo. Moreover, TE1 cells label positively for the porcine trophectoderm-specific monoclonal antibody, SN1/38. Thus, by several important criteria TE1 is deduced to be a porcine trophectoderm cell line.

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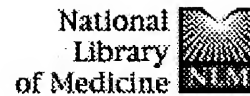
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
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
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
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

















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


















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
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












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




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

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










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
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
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
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
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



















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








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
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


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
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
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




















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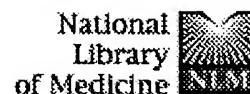
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## Large-scale production of fetal porcine pancreatic isletlike cell clusters. An experimental tool for studies of islet cell differentiation and xenotransplantation.

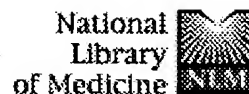
Korsgren O, Sandler S, Landstrom AS, Jansson L, Andersson A.

Department of Medical Cell Biology, Uppsala University, Sweden.

A recently described method for the preparation of isletlike cell clusters (ICC) from human fetal pancreas has been applied to the fetal pig with the ultimate aim of large-scale production of ICC. Fetuses ranging in age from 51 to 77 days were used, and after a brief collagenase-incubation the pancreatic digest was plated into culture dishes containing medium RPMI 1640 supplemented with either 10% fetal calf serum (FCS) or human serum (HS). HS seemed to increase the number of ICC formed as compared to that obtained with FCS. A total of more than 100,000 ICC were produced from each of 3 litters, ages 67-77 days, after culture in the presence of HS. The DNA content of such ICC was reduced by about 50% as compared to those maintained with FCS supplementation. Immunocytochemical staining revealed insulin- and glucagon-positive cells scattered among a majority of nonstained cells within the cell clusters. ICC maintained in either FCS or HS displayed significant rates of (pro)insulin biosynthesis in vitro and an increased insulin release when exposed to 16.7 mM glucose plus 5 mM theophylline. Four weeks after implantation, ICC grafted under the kidney capsule of nondiabetic nude mice contained frequent insulin- and glucagon-positive cells. In 2 nude mice transplanted with ICC, the functional capacity of the graft was tested by perfusing the graft-bearing kidney. When the perfusion fluid was changed from one containing 2.8 mM glucose to one containing 16.7 mM glucose +/- 5 mM theophylline, the secretion of insulin increased within a few min. It is concluded that the fetal porcine pancreas can be used for large-scale production of ICC, which have a very consistent, but immature functional capacity. Because of their inherent growth and differentiation properties, fetal porcine ICC constitute a potential source of xenogenic islet grafts intended for human diabetics.

PMID: 3279571 [PubMed - indexed for MEDLINE]

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## Pig fetal pancreatic monolayers. A model of potential use in transplantation.

Simpson AM, Tuch BE, Vincent PC.

Department of Medicine, University of Sydney, New South Wales, Australia.

Endocrine-rich monolayers of pig fetal pancreas that are free of fibroblasts have been established with the ultimate aim of providing guidelines for the culture of the human equivalent. The immunogenic potential of the monolayers--hence their capacity to be grafted--has also been analyzed. Fetuses ranging from 50 to 90 days were used, and, following digestion with collagenase (4 mg/ml, 15-20 min), the pancreatic suspension was plated onto tissue culture vessels containing RPMI 1640. The fetal calf serum concentration was kept low (5%) initially to inhibit fibroblast proliferation, but subsequently increased to 7%. Monolayers from a typical litter of 8-10 fetal pigs produced 6-8 x 10(8) viable epithelial cells by day 10 of culture, of which 75% were endocrine cells. This represents an 8-fold increase in a two-week period. The ratio of beta:alpha:delta:pancreatic polypeptide cells was 19:33:18:5. These monolayers synthesized both DNA, (pro)insulin and protein, and displayed increased insulin release when exposed to 10 mM theophylline, 10 mM Ca2+ and 1.3 microM 12-O-tetradecanoyl-phorbol-13-acetate. Static stimulation with 20 mM glucose however, did not elicit a response in insulin secretion. These cells displayed no reaction to allogeneic lymphocytes in a mixed lymphocyte culture, whereas freshly obtained porcine epithelial cells did. Methods may need to be found to increase the proportion of B cells in this enriched endocrine cell population. In general however, guidelines have been established that may be useful in developing a monolayer of human fetal pancreatic cells with the eventual aim of transplantation. The reduction in immunogenicity of the pig fetal pancreatic cells suggests that they too might be a potential source for transplantation.

PMID: 2193444 [PubMed - indexed for MEDLINE]

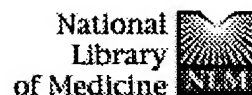
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## Porcine neonatal pancreatic cell clusters (NPCCs): a potential source of tissue for islet transplantation.

Weir GC, Quickel RR, Yoon KH, Tatarkiewicz K, Ulrich TR, Hollister-Lock J, Bonner-Weir S.

Joslin Diabetes Center, Boston, Massachusetts, USA.

WeirG@joslab.harvard.edu

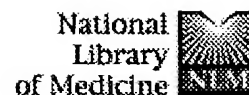
This is a short review of porcine neonatal pancreatic cell clusters (NPCCs) which might eventually be useful for beta cell replacement therapy in people with diabetes. The current success with islet allograft transplantation is reviewed and is problematic because only partial success has been obtained and the shortage of human islet tissue means that only a small fraction of people with diabetes would be able to benefit. For these reasons there is considerable interest in xenotransplantation, with pigs being a particularly attractive source. The relative merits of early fetal, late fetal, neonatal and adult porcine tissue are discussed. Neonatal tissue has several attractive features, with their hardiness and potential for growth being especially noteworthy. NPCCs are harvested after digested and dispersed clumps of cells are kept in culture for 7 days. The NPCCs consist mainly of duct cells, protodifferentiated cells and mature endocrine cells. The protodifferentiated cells are either double or triple stained for insulin, cytokeratin 7, glucagon, pancreatic polypeptide, or somatostatin. When transplanted into diabetic nude mice it usually takes weeks before glucose levels are normalized, and during that time differentiation and growth of the graft can be observed. Potential strategies for controlling xenograft rejection are mentioned, with these being immunosuppression, induction of tolerance, immunobarrier devices, and gene transfer approaches.

Publication Types:

- Review
- Review, Tutorial

PMID: 9869866 [PubMed - indexed for MEDLINE]

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[Article in Russian]

Krikun BL, Amchenkova AM.

PMID: 5622533 [PubMed - indexed for MEDLINE]

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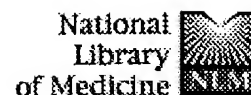
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## The pancreatic epithelial cell in vitro: a possible model system for studies in carcinogenesis.

Hay RJ.

A technique is described for the isolation and maintenance in culture of pancreatic epithelial cells from human embryos or neonatal guinea pigs. Dissociated cells from human material were essentially uncharacterized. Those obtained from guinea pig pancreas were subjected to centrifugal fractionation, and the resulting populations consisted of up to 95% exocrine cells. Suspensions of dissociated cells were incubated with gyration for 16 to 18 hr, and cell aggregated that formed were placed in stationary culture. Two-dimensional colonial aggregates developed on the plastic substratum. Cells comprising such colonies formed junctional complexes and could be maintained for 20 to 40 days in vitro. This system may provide a useful model for studies on pancreatic exocrine cell physiology and carcinogenesis.

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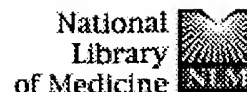
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## Transdifferentiation of retinal pigment epithelial cells from epithelial to mesenchymal phenotype.

Grisanti S, Guidry C.

Department of Ophthalmology, University of Alabama at Birmingham 35294.

**PURPOSE.** To describe and evaluate retinal pigment epithelial (RPE) cell transdifferentiation in vitro and to determine its importance to the development of proliferative vitreoretinal disorders. **METHODS.** Porcine RPE cells from single animals were examined at different passages in culture. The authors examined cellular morphology, contraction of a collagenous matrix, and adhesion to fibronectin and type I collagen-coated substrata. These activities were correlated with loss of epithelial characteristics, redistribution of the actin cytoskeleton, and expression of alpha-smooth muscle actin (alpha-SMA), a marker of myoid differentiation. **RESULTS.** During routine culture on tissue culture plastic, porcine RPE cells lose epithelial characteristics and acquire a mesenchymal cell-like phenotype. The ability of cultured porcine RPE cells to adhere to and exert tractional forces on an extracellular matrix increases with continued passage in vitro and transdifferentiation. This correlates with the loss of the differentiated epithelial morphology, decreased expression of the epithelial marker cytokeratin 18, redistribution of the actin cytoskeleton, and de novo expression of alpha-SMA. **CONCLUSION.** Results indicate that RPE transdifferentiate in culture and that this transition is accompanied by a shift in biologic activities. Therefore, morphologic and behavioral transdifferentiation of these cells in culture are influencing factors in experimental pathology. The potential relevance of these extensive changes to the biology of proliferative vitreoretinal disorders is discussed.

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=> S porcine AND fetal AND culture  
30 FILES SEARCHED...  
62 FILES SEARCHED...  
L6 10286 PORCINE AND FETAL AND CULTURE

=> DUP REM L6  
DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,  
DRUGMONOG2, IMSRESEARCH, FEDRIP, FOREGE, GENBANK, IMSPRODUCT, KOSMET,  
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PROCESSING COMPLETED FOR L6  
L7 8287 DUP REM L6 (1999 DUPLICATES REMOVED)

=> S L7 AND macrophage  
26 FILES SEARCHED...  
53 FILES SEARCHED...  
64 FILES SEARCHED...  
L8 2757 L7 AND MACROPHAGE

=> S L8 AND microglia  
50 FILES SEARCHED...  
L9 99 L8 AND MICROGLIA

=> D L9 1-99

L9 ANSWER 1 OF 99 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2000:3449 BIOSIS  
DN PREV200000003449  
TI Expression of major histocompatibility complex antigens and induction of  
human T-lymphocyte proliferation by astrocytes and \*\*\*macrophages\*\*\*  
from \*\*\*porcine\*\*\* \*\*\*fetal\*\*\* brain.  
AU Brevig, Thomas [Reprint author]; Kristensen, Tom; Zimmer, Jens  
CS Department of Clinical Immunology, Odense University Hospital, DK-5000,  
Odense C, Denmark  
SO Experimental Neurology, (Oct., 1999) Vol. 159, No. 2, pp. 474-483. print.  
CODEN: EXNEAC. ISSN: 0014-4886.  
DT Article  
LA English  
ED Entered STN: 23 Dec 1999  
Last Updated on STN: 31 Dec 2001

L9 ANSWER 2 OF 99 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:554453 CAPLUS  
DN 134:236126  
TI Induction of human T-cell proliferation by \*\*\*porcine\*\*\* \*\*\*fetal\*\*\*  
brain cells: role of astrocytes and \*\*\*macrophages\*\*\* /  
\*\*\*microglia\*\*\*  
AU Brevig, T.; Kristensen, T.; Zimmer, J.  
CS Department of Anatomy and Neurobiology, USD-Odense Univ., Odense  
University Hospital, Odense, Den.  
SO Transplantation Proceedings (2000), 32(5), 961-962  
CODEN: TRPPA8; ISSN: 0041-1345  
PB Elsevier Science Inc.  
DT Journal  
LA English  
RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 3 OF 99 PROMT COPYRIGHT 2004 Gale Group on STN  
ACCESSION NUMBER: 97:342112 PROMT  
TITLE: Neuroprotection - the next breakthrough?  
AUTHOR(S): Sek Jin Chew  
SOURCE: Ophthalmology Times, (1 Jun 1997) pp. 4.  
ISSN: 0193-032X.  
LANGUAGE: English  
WORD COUNT: 2390  
\*FULL TEXT IS AVAILABLE IN THE ALL FORMAT\*

L9 ANSWER 4 OF 99 USPATFULL on STN  
AN 2004:197578 USPATFULL  
TI Lp mammalian proteins; related reagents  
IN Amegadzie, Bernard Yaovi, Malvern, PA, UNITED STATES  
Basinski, Margaret Barbara, Indianapolis, IN, UNITED STATES  
Scott, William L., Indianapolis, IN, UNITED STATES LR  
Chen, Dayue, Carmel, IN, UNITED STATES  
Huang, Chongxi, Indianapolis, IN, UNITED STATES  
Keleher, Gerald Patrick, Indianapolis, IN, UNITED STATES  
Perkins, Douglas Raymond, New Palestine, IN, UNITED STATES  
Rosteck, Paul Robert, Indianapolis, IN, UNITED STATES  
Rowlinson, Scott William, Indianapolis, IN, UNITED STATES  
Sankhavaram, Patanjali Raghavac, Carmel, IN, UNITED STATES  
Seno, Eugene Thomas, Weybridge, VT, UNITED STATES  
Su, Eric Wen, Carmel, IN, UNITED STATES  
Zhi, Yu, Indianapolis, IN, UNITED STATES  
PI US 2004152885 A1 20040805  
AI US 2003-480172 A1 20030827 (10)  
WO 2002-US5093 20020301  
DT Utility  
FS APPLICATION  
LN.CNT 12032  
INCL INCLM: 536/023.500  
NCL NCLM: 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 5 OF 99 USPATFULL on STN  
AN 2004:177803 USPATFULL  
TI \*\*\*Cultures\*\*\* , products and methods using stem cells

IN Weiss, Mark L., Manhattan, KS, UNITED STATES  
 Troyer, Deryl L., Manhattan, KS, UNITED STATES  
 Davis, Duane, Westmoreland, KS, UNITED STATES  
 Mitchell, Kathy E., Manhattan, KS, UNITED STATES  
 PA Kansas State University Research Foundation, Manhattan, KS (U.S.  
 corporation)  
 PI US 2004136967 A1 20040715  
 AI US 2003-647361 A1 20030825 (10)  
 RLI Continuation-in-part of Ser. No. US 2002-83779, filed on 25 Feb 2002,  
 ABANDONED  
 DT Utility  
 FS APPLICATION  
 LN.CNT 2691  
 INCL INCLM: 424/093.700  
 INCLS: 435/372.000  
 NCL NCLM: 424/093.700  
 NCLS: 435/372.000  
 IC [7]  
 ICM: C12N005-08  
  
 L9 ANSWER 6 OF 99 USPATFULL on STN  
 AN 2004:158160 USPATFULL  
 TI Use of A33 antigens JAM-it  
 IN Ashkenazi, Avi, San Mateo, CA, UNITED STATES  
 Fong, Sherman, Alameda, CA, UNITED STATES  
 Goddard, Audrey, San Francisco, CA, UNITED STATES  
 Gurney, Austin L., Belmont, CA, UNITED STATES  
 Napier, Mary A., Hillsborough, CA, UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Lookeren, Menno Van, San Francisco, CA, UNITED STATES  
 Wood, William I., Hillsborough, CA, UNITED STATES  
 PI US 2004120957 A1 20040624  
 AI US 2003-633008 A1 20030731 (10)  
 RLI Continuation-in-part of Ser. No. US 2002-265542, filed on 3 Oct 2002,  
 PENDING Continuation-in-part of Ser. No. WO 2000-US4414, filed on 22 Feb  
 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US14042, filed on  
 22 May 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US32678,  
 filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. US  
 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708  
 Continuation-in-part of Ser. No. WO 1999-US5028, filed on 8 Mar 1999,  
 PENDING Continuation-in-part of Ser. No. US 1999-380138, filed on 25 Aug  
 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-380139, filed  
 on 25 Aug 1999, ABANDONED Continuation-in-part of Ser. No. WO  
 1998-US19330, filed on 16 Sep 1998, PENDING Continuation-in-part of Ser.  
 No. US 2001-953499, filed on 14 Sep 2001, PENDING Continuation of Ser.  
 No. WO 1998-US24855, filed on 20 Nov 1998, PENDING  
 DT Utility  
 FS APPLICATION  
 LN.CNT 6476  
 INCL INCLM: 424/146.100  
 NCL NCLM: 424/146.100  
 IC [7]  
 ICM: A61K039-395  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 7 OF 99 USPATFULL on STN  
 AN 2004:145250 USPATFULL  
 TI Nucleic acid binding polypeptides  
 IN Moore, Michael, Amersham, UKRAINE  
 Isalan, Mark, East Sheen, UKRAINE  
 Reynolds, Lindsey, Hertsfordshire, UKRAINE  
 Ullman, Christopher, Cambridge, MA, UNITED STATES  
 Girdlestone, John, East Finchley, UKRAINE  
 Demaison, Christophe, Stoke Newington, UKRAINE  
 Choo, Yen, Sydney Street, UKRAINE  
 PI US 2004110923 A1 20040610  
 AI US 2004-470065 A1 20040205 (10)  
 WO 2002-GB246 20020122  
 PRAI GB 2001-1576 20010122  
 GB 2001-3032 20010207  
 DT Utility  
 FS APPLICATION  
 LN.CNT 3064  
 INCL INCLM: 530/350.000  
 NCL NCLM: 530/350.000  
 IC [7]



ICM: C07K014-705  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 8 OF 99 USPATFULL on STN  
AN 2004:138952 USPATFULL  
TI Neurotransmission-associated proteins  
IN Duggan, Brendan M, Sunnyvale, CA, UNITED STATES  
Honchell, Cynthia D, San Carlos, CA, UNITED STATES  
Ison, Craig H, San Jose, CA, UNITED STATES  
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES  
Lu, Dyung Aina M, San Jose, CA, UNITED STATES  
Baughn, Mariah R, Los Angeles, CA, UNITED STATES  
Lal, Preeti G, Santa Clara, CA, UNITED STATES  
Yue, Henry, Sunnyvale, CA, UNITED STATES  
Tang, Y Tom, San Jose, CA, UNITED STATES  
Warren, Bridget A, San Marcos, CA, UNITED STATES  
Lee, Ernestine A, Castro Valley, CA, UNITED STATES  
Griffin, Jennifer A, Fremont, CA, UNITED STATES  
Forsythe, Ian J, Edmonton, CANADA  
Chawla, Narinder K, Union City, CA, UNITED STATES  
Jiang, Xin, Saratoga, CA, UNITED STATES  
Jackson, Alan A, Los Gatos, CA, UNITED STATES  
PI US 2004106125 A1 20040603  
AI US 2003-468334 A1 20030815 (10)  
WO 2002-US4536 20020215  
DT Utility  
FS APPLICATION  
LN.CNT 7920  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;  
424/143.100  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;  
424/143.100  
IC [7]  
ICM: C12Q001-68  
ICS: A61K039-395; C07K014-705  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 9 OF 99 USPATFULL on STN  
AN 2004:133839 USPATFULL  
TI Use of rgm and its modulators  
IN Mueller, Bernhard K, Neustadt, GERMANY, FEDERAL REPUBLIC OF  
Monnier, Philippe P, Toronto, CANADA  
Macchi, Paolo, Tubingen, GERMANY, FEDERAL REPUBLIC OF  
Bonhoeffer, Friedrich, Tubingen, GERMANY, FEDERAL REPUBLIC OF  
Stahl, Bernd, Tubingen, GERMANY, FEDERAL REPUBLIC OF  
Mann, Matthias, Odense M, DENMARK  
Anderson, Jons S, Odense SO, DENMARK  
PI US 2004102376 A1 20040527  
AI US 2003-451586 A1 20031208 (10)  
WO 2001-EP15289 20011221  
PRAI EP 2000-128356 20001222  
DT Utility  
FS APPLICATION  
LN.CNT 2154  
INCL INCLM: 514/012.000  
INCLS: 514/044.000  
NCL NCLM: 514/012.000  
NCLS: 514/044.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K038-17  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 10 OF 99 USPATFULL on STN  
AN 2004:113656 USPATFULL  
TI Immune privileged cells for delivery of proteins and peptides  
IN John, Constance Mary, San Francisco, CA, UNITED STATES  
PI US 2004086494 A1 20040506  
AI US 2001-941398 A1 20010828 (9)  
RLI Continuation-in-part of Ser. No. US 1998-131501, filed on 9 Aug 1998,  
ABANDONED Continuation-in-part of Ser. No. US 1996-726531, filed on 7  
Oct 1996, ABANDONED  
DT Utility  
FS APPLICATION

LN.CNT 4805  
INCL INCLM: 424/093.210  
INCLS: 435/366.000  
NCL NCLM: 424/093.210  
NCLS: 435/366.000  
IC [7]  
ICM: A61K048-00  
ICS: C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 11 OF 99 USPATFULL on STN  
AN 2004:94213 USPATFULL  
TI Method for therapeutically treating a clinically recognized form of  
cardiopathology in a living mammal  
IN Xiao, Yong-Fu, Wayland, MA, UNITED STATES  
Morgan, James P., Newton Centre, MA, UNITED STATES  
PI US 2004071665 A1 20040415  
AI US 2003-438574 A1 20030515 (10)  
RLI Continuation of Ser. No. WO 2002-US7555, filed on 14 Mar 2002, PENDING  
Continuation-in-part of Ser. No. US 2000-684679, filed on 7 Oct 2000,  
GRANTED, Pat. No. US 6607720 Continuation-in-part of Ser. No. US  
2000-655124, filed on 5 Sep 2000, GRANTED, Pat. No. US 6534052  
DT Utility  
FS APPLICATION  
LN.CNT 4010  
INCL INCLM: 424/093.700  
NCL NCLM: 424/093.700  
IC [7]  
ICM: A61K048-00

L9 ANSWER 12 OF 99 USPATFULL on STN  
AN 2004:44501 USPATFULL  
TI Proteins and nucleic acids encoding same  
IN Tchernev, Velizar T., Branford, CT, UNITED STATES  
Spytek, Kimberly A., New Haven, CT, UNITED STATES  
Zerhusen, Bryan D., Branford, CT, UNITED STATES  
Patturajan, Meera, Branford, CT, UNITED STATES  
Shimkets, Richard A., West Haven, CT, UNITED STATES  
Li, Li, Branford, CT, UNITED STATES  
Gangolli, Esha A., Madison, CT, UNITED STATES  
Padigar, Muralidhara, Branford, CT, UNITED STATES  
Anderson, David W., Branford, CT, UNITED STATES  
Rastelli, Luca, Guilford, CT, UNITED STATES  
Miller, Charles E., Hill Drive, CT, UNITED STATES  
Gerlach, Valerie, Branford, CT, UNITED STATES  
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES  
Gusev, Vladimir Y., UNITED STATES  
Colman, Steven D., Guilford, CT, UNITED STATES  
Wolenc, Adam Ryan, New Haven, CT, UNITED STATES  
Pena, Carol E. A., Guilford, CT, UNITED STATES  
Furtak, Katarzyna, Anosia, CT, UNITED STATES  
Grosse, William M., Bransford, CT, UNITED STATES  
Alsobrook, John P., II, Madison, CT, UNITED STATES  
Lepley, Denise M., Branford, CT, UNITED STATES  
Rieger, Daniel K., Branford, CT, UNITED STATES  
Burgess, Catherine E., Wethersfield, CT, UNITED STATES  
PI US 2004033493 A1 20040219  
AI US 2002-72012 A1 20020131 (10)  
PRAI US 2001-267459P 20010208 (60)  
US 2001-266975P 20010207 (60)  
US 2001-267057P 20010207 (60)  
US 2001-266767P 20010205 (60)  
US 2001-266406P 20010202 (60)  
US 2001-265395P 20010131 (60)  
US 2001-265412P 20010131 (60)  
US 2001-265517P 20010131 (60)  
US 2001-265514P 20010131 (60)  
US 2001-267823P 20010209 (60)  
US 2001-268974P 20010215 (60)  
US 2001-271855P 20010227 (60)  
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US 2001-273046P 20010302 (60)  
US 2001-272788P 20010302 (60)  
US 2001-275989P 20010314 (60)  
US 2001-275925P 20010314 (60)  
US 2001-275947P 20010314 (60)

US	2001-275950P	20010314 (60)
US	2001-276450P	20010315 (60)
US	2001-276448P	20010315 (60)
US	2001-276397P	20010316 (60)
US	2001-276768P	20010316 (60)
US	2001-278652P	20010320 (60)
US	2001-278775P	20010326 (60)
US	2001-278778P	20010326 (60)
US	2001-279882P	20010329 (60)
US	2001-279884P	20010329 (60)
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US	2001-283083P	20010411 (60)
US	2001-282992P	20010411 (60)
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US	2001-285749P	20010423 (60)
US	2001-288327P	20010503 (60)
US	2001-288504P	20010503 (60)
US	2001-294047P	20010529 (60)
US	2001-294473P	20010530 (60)
US	2001-296964P	20010608 (60)
US	2001-298959P	20010618 (60)
US	2001-299324P	20010619 (60)
US	2001-312020P	20010813 (60)
US	2001-312908P	20010816 (60)
US	2001-312889P	20010816 (60)
US	2001-313930P	20010821 (60)
US	2001-315470P	20010828 (60)
US	2001-316447P	20010831 (60)
US	2001-318115P	20010907 (60)
US	2001-318118P	20010907 (60)
US	2001-318740P	20010912 (60)
US	2001-323379P	20010919 (60)
US	2001-330308P	20011018 (60)
US	2001-330245P	20011018 (60)
US	2001-332701P	20011114 (60)
US	2001-271664P	20010226 (60)

DT Utility

FS APPLICATION

LN.CNT 59681

INCL INCL: 435/006.000

INCL: 435/007.230; 435/069.300; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 435/183.000; 424/155.100

NCL NCLM: 435/006.000

NCL: 435/007.230; 435/069.300; 435/320.100; 435/325.000; 530/350.000;  
536/023.200; 435/183.000; 424/155.100

IC [7]

ICM: C12Q001-68

ICS: G01N033-574; C07H021-04; A61K039-395; C12N009-00; C12P021-02;

C12N005-06; C07K014-47

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 13 OF 99 USPATFULL on STN

AN 2004:13033 USPATFULL

TI Novel 27411, 23413, 22438, 23553, 25278, 26212, NARC SC1, NARC 10A, NARC 1, NARC 12, NARC 13, NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11, NARC 14A, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC1A, NARC 25, 86604 and 32222 molecules and uses therefor

IN Glucksmann, Maria A., Lexington, MA, UNITED STATES

Williamson, Mark J., Saugus, MA, UNITED STATES

Tsai, Fong-Ying, Newton, MA, UNITED STATES

Rudolph-Owen, Laura A., Medford, MA, UNITED STATES

Kapeller-Libermann, Rosanna, Chestnut Hill, MA, UNITED STATES

Meyers, Rachel E., Newton, MA, UNITED STATES

Chiang, Lillian Wei-Ming, Edison, NJ, UNITED STATES

Hunter, John Joseph, Somerville, MA, UNITED STATES

PA Millennium Pharmaceuticals, Inc. (U.S. corporation)

PI US 2004009553 A1 20040115

AI US 2003-426776 A1 20030430 (10)

RLI Continuation-in-part of Ser. No. US 2002-229662, filed on 28 Aug 2002, PENDING Division of Ser. No. US 2001-795691, filed on 28 Feb 2001, GRANTED, Pat. No. US 6465230 Continuation-in-part of Ser. No. US 2002-105992, filed on 25 Mar 2002, PENDING Continuation of Ser. No. US 1999-406045, filed on 27 Sep 1999, GRANTED, Pat. No. US 6451994 Continuation-in-part of Ser. No. US 2002-314881, filed on 9 Dec 2002,

PENDING Continuation of Ser. No. US 2001-773426, filed on 31 Jan 2001,  
GRANTED, Pat. No. US 6534302 Continuation-in-part of Ser. No. US  
2000-495823, filed on 31 Jan 2000, PENDING Continuation-in-part of Ser.  
No. US 2000-692785, filed on 20 Oct 2000, PENDING Continuation-in-part  
of Ser. No. US 2002-284014, filed on 30 Oct 2002, PENDING  
Continuation-in-part of Ser. No. US 2002-284059, filed on 30 Oct 2002,  
PENDING

PRAI US 2000-185517P 20000228 (60)  
US 1999-161188P 19991022 (60)  
US 2001-335003P 20011031 (60)  
US 2001-335037P 20011031 (60)

DT Utility  
FS APPLICATION  
LN.CNT 24534

INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C07K014-705; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 14 OF 99 USPATFULL on STN

AN 2003:330125 USPATFULL

TI Novel human ion channel and transporter family members

IN Curtis, Rory A. J., Framingham, MA, UNITED STATES  
Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES  
Gu, Wei, Brookline, MA, UNITED STATES

PI US 2003232336 A1 20031218

AI US 2002-162102 A1 20020604 (10)

RLI Continuation-in-part of Ser. No. US 2001-875321, filed on 6 Jun 2001,  
PENDING Continuation-in-part of Ser. No. WO 2001-US18340, filed on 6 Jun  
2001, PENDING

PRAI WO 2001-US18340 20010606  
WO 2001-US18398 20010605  
WO 2001-US18247 20010605  
WO 2001-US25474 20010815  
WO 2001-US26096 20010821  
WO 2002-US9728 20020328  
US 2001-290288P 20010511 (60)  
US 2001-279281P 20010328 (60)  
US 2000-226770P 20000821 (60)  
US 2000-227068P 20000822 (60)  
US 2000-209845P 20000606 (60)

DT Utility  
FS APPLICATION  
LN.CNT 38135

INCL INCLM: 435/006.000  
INCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;  
536/023.500; 530/388.100

NCL NCLM: 435/006.000  
NCLS: 435/007.100; 435/069.100; 435/320.100; 435/325.000; 530/350.000;  
536/023.500; 530/388.100

IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C07H021-04; C07K014-705; C12P021-02; C12N005-06;  
C07K016-18

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 15 OF 99 USPATFULL on STN

AN 2003:318632 USPATFULL

TI Novel human transferase family members and uses thereof

IN Meyers, Rachel E., Newton, MA, UNITED STATES  
Williamson, Mark, Saugus, MA, UNITED STATES  
Leiby, Kevin R., Natick, MA, UNITED STATES  
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
Olandt, Peter J., Newton, MA, UNITED STATES  
MacBeth, Kyle J., Boston, MA, UNITED STATES  
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES  
Tsai, Fong-Ying, Newton, MA, UNITED STATES  
Hunter, John J., Somerville, MA, UNITED STATES

PI US 2003224376 A1 20031204

AI US 2002-184648 A1 20020627 (10)

RLI Continuation-in-part of Ser. No. US 2001-815028, filed on 22 Mar 2001,  
PENDING Continuation-in-part of Ser. No. US 2001-801220, filed on 7 Mar

2001, PENDING Continuation-in-part of Ser. No. US 2001-816714, filed on 23 Mar 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-844948, filed on 27 Apr 2001, PENDING Continuation-in-part of Ser. No. US 2001-861164, filed on 18 May 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-883060, filed on 15 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-962678, filed on 25 Sep 2001, PENDING Continuation-in-part of Ser. No. US 2001-973457, filed on 9 Oct 2001, PENDING Continuation-in-part of Ser. No. US 2002-72285, filed on 8 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2001-817910, filed on 26 Mar 2001, PENDING Continuation-in-part of Ser. No. US 2001-842528, filed on 25 Apr 2001, ABANDONED Continuation-in-part of Ser. No. US 2001-882836, filed on 15 Jun 2001, PENDING Continuation-in-part of Ser. No. US 2001-882872, filed on 15 Jun 2001, ABANDONED

PRAI WO 2001-US9358 20010322  
WO 2001-US7269 20010307  
WO 2001-US9468 20010323  
WO 2001-US13805 20010427  
WO 2001-US16292 20010518  
WO 2001-US19138 20010615  
WO 2001-US29963 20010925  
WO 2002-US3736 20020208  
WO 2001-US9633 20010326  
WO 2001-US40607 20010425  
WO 2001-US19543 20010615  
WO 2001-US19153 20010615  
US 2000-191964P 20000324 (60)  
US 2000-187456P 20000307 (60)  
US 2000-191865P 20000324 (60)  
US 2000-200604P 20000428 (60)  
US 2000-205408P 20000519 (60)  
US 2000-212079P 20000615 (60)  
US 2000-235044P 20000925 (60)  
US 2000-238849P 20001006 (60)  
US 2001-267494P 20010208 (60)  
US 2000-192092P 20000324 (60)  
US 2000-199500P 20000425 (60)  
US 2000-211730P 20000615 (60)  
US 2000-212077P 20000615 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 66695  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200;  
424/144.100; 514/007.000; 514/001.000; 514/012.000  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.200;  
424/144.100; 514/007.000; 514/001.000; 514/012.000  
IC [7]  
ICM: A61K031-00  
ICS: C12Q001-68; A61K038-16; C07H021-04; C12P021-02; C12N005-06;  
C07K014-705; A61K039-395

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 16 OF 99 USPATFULL on STN  
AN 2003:306440 USPATFULL  
TI Isolated GRP94 ligand binding domain polypeptide and nucleic acid  
encoding same, crystalline form of same, and screening methods employing  
same  
IN Gewirth, Daniel T., Durham, NC, UNITED STATES  
Nicchitta, Christopher V., Durham, NC, UNITED STATES  
PA Duke University (U.S. corporation)  
PI US 2003215874 A1 20031120  
AI US 2002-260104 A1 20020930 (10)  
PRAI US 2001-326291P 20011001 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 12401  
INCL INCLM: 435/007.100  
INCLS: 435/189.000; 702/019.000  
NCL NCLM: 435/007.100  
NCLS: 435/189.000; 702/019.000  
IC [7]  
ICM: G01N033-53  
ICS: G06F019-00; G01N033-48; G01N033-50; C12N009-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 17 OF 99 USPATFULL on STN  
AN 2003:300312 USPATFULL  
TI Bi-directionally cloned random cDNA expression vector libraries,  
compositions and methods of use  
IN Lorens, James, Portola Valley, CA, UNITED STATES  
Bogenberger, Jakob M., San Francisco, CA, UNITED STATES  
PI US 2003211535 A1 20031113  
AI US 2002-142648 A1 20020508 (10)  
DT Utility  
FS APPLICATION  
LN.CNT 3910  
INCL INCLM: 435/007.100  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/007.100  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: G01N033-53  
ICS: C07H021-04; C07K014-435; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 18 OF 99 USPATFULL on STN  
AN 2003:300239 USPATFULL  
TI Directionally cloned random cDNA expression vector libraries,  
compositions and methods of use  
IN Shen, Mary, Newark, CA, UNITED STATES  
Yu, Simon, Newark, CA, UNITED STATES  
Wu, Xian, Redwood City, CA, UNITED STATES  
Payan, Donald, Hillsborough, CA, UNITED STATES  
PI US 2003211462 A1 20031113  
AI US 2002-142662 A1 20020508 (10)  
DT Utility  
FS APPLICATION  
LN.CNT 3873  
INCL INCLM: 435/005.000  
INCLS: 435/006.000; 435/456.000; 435/325.000; 435/235.100; 435/320.100  
NCL NCLM: 435/005.000  
NCLS: 435/006.000; 435/456.000; 435/325.000; 435/235.100; 435/320.100  
IC [7]  
ICM: C12Q001-70  
ICS: C12Q001-68; C12N007-00; C12N005-06; C12N015-867  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 19 OF 99 USPATFULL on STN  
AN 2003:294319 USPATFULL  
TI 25312, a novel human agmatinase-like homolog  
IN Cook, William James, Natick, MA, UNITED STATES  
Curtis, Rory A.J., Southborough, MA, UNITED STATES  
Spaltmann, Frank, Cambridge, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003207334 A1 20031106  
AI US 2003-460138 A1 20030612 (10)  
RLI Division of Ser. No. US 2001-791165, filed on 22 Feb 2001, PENDING  
Continuation-in-part of Ser. No. US 2000-514521, filed on 28 Feb 2000,  
GRANTED, Pat. No. US 6413757  
DT Utility  
FS APPLICATION  
LN.CNT 4156  
INCL INCLM: 435/007.100  
INCLS: 435/193.000; 435/320.100; 435/325.000; 435/005.000  
NCL NCLM: 435/007.100  
NCLS: 435/193.000; 435/320.100; 435/325.000; 435/005.000  
IC [7]  
ICM: C12Q001-70  
ICS: G01N033-53; C12N009-10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 20 OF 99 USPATFULL on STN  
AN 2003:291110 USPATFULL  
TI 25312, a novel human agmatinase-like homolog  
IN Cook, William James, Natick, MA, United States  
Curtis, Rory A. J., Southborough, MA, United States  
Spaltmann, Frank, Cambridge, MA, United States  
PA Millenium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.  
corporation)  
PI US 6642039 B1 20031104  
AI US 2001-791165 20010222 (9)

RLI Continuation-in-part of Ser. No. US 2000-514521, filed on 28 Feb 2000,  
now patented, Pat. No. US 6413757, issued on 2 Jul 2002  
DT Utility  
FS GRANTED  
LN.CNT 4120  
INCL INCLM: 435/195.000  
INCLS: 435/226.000; 536/023.200  
NCL NCLM: 435/195.000  
NCLS: 435/226.000; 536/023.200  
IC [7]  
ICM: C12N019-14  
ICS: C12N009-64; C07H021-06  
EXF 435/195; 536/23.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 21 OF 99 USPATFULL on STN  
AN 2003:276671 USPATFULL  
TI Methods of producing a library and methods of selecting polynucleotides  
of interest  
IN Zauderer, Maurice, Pittsford, NY, UNITED STATES  
Smith, Ernest S., Ontario, NY, UNITED STATES  
PA University of Rochester (U.S. corporation)  
PI US 2003194696 A1 20031016  
AI US 2002-277161 A1 20021022 (10)  
RLI Continuation-in-part of Ser. No. US 2001-818991, filed on 28 Mar 2001,  
PENDING  
PRAI US 2000-192586P 20000328 (60)  
US 2000-203343P 20000510 (60)  
US 2001-263226P 20010123 (60)  
US 2001-271426P 20010227 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 11239  
INCL INCLM: 435/005.000  
INCLS: 435/006.000; 435/007.100; 435/456.000  
NCL NCLM: 435/005.000  
NCLS: 435/006.000; 435/007.100; 435/456.000  
IC [7]  
ICM: C12Q001-70  
ICS: C12Q001-68; G01N033-53; C12N015-869  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 22 OF 99 USPATFULL on STN  
AN 2003:271536 USPATFULL  
TI Compounds, compositions and methods for modulating beta-amyloid  
production  
IN Connop, Bruce P., Vancouver, CANADA  
Grant, Amelia, Vancouver, CANADA  
MacDonald, David, Surrey, CANADA  
Nathwani, Parimal S., Burnaby, CANADA  
Reiner, Peter B., Vancouver, CANADA  
Zhang, Zaihui, Richmond, CANADA  
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA (non-U.S.  
corporation)  
PI US 2003191144 A1 20031009  
AI US 2002-325667 A1 20021219 (10)  
RLI Continuation-in-part of Ser. No. US 2002-170224, filed on 12 Jun 2002,  
PENDING  
PRAI US 2001-309257P 20010731 (60)  
US 2001-297845P 20010612 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3629  
INCL INCLM: 514/269.000  
NCL NCLM: 514/269.000  
IC [7]  
ICM: A61K031-513  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 23 OF 99 USPATFULL on STN  
AN 2003:265972 USPATFULL  
TI Nicotinamide benzofused-heterocyclyl derivatives useful as selective  
inhibitors of pde4 isozymes  
IN Marfat, Anthony, Mystic, CT, UNITED STATES  
Chambers, Robert James, Mystic, CT, UNITED STATES  
PI US 2003186989 A1 20031002

AI US 2002-181416 A1 20020724 (10)  
WO 2001-18124 20010130  
PRAI US 2000-60179284 20000131  
DT Utility  
FS APPLICATION  
LN.CNT 6819  
INCL INCLM: 514/252.020  
INCLS: 514/255.050; 514/256.000; 514/269.000; 514/332.000; 514/340.000;  
514/341.000; 514/342.000; 544/238.000; 544/295.000; 544/296.000;  
544/405.000; 546/261.000; 546/262.000; 546/269.100; 546/271.400;  
546/272.100; 546/268.100; 546/268.700; 546/269.700  
NCL NCLM: 514/252.020  
NCLS: 514/255.050; 514/256.000; 514/269.000; 514/332.000; 514/340.000;  
514/341.000; 514/342.000; 544/238.000; 544/295.000; 544/296.000;  
544/405.000; 546/261.000; 546/262.000; 546/269.100; 546/271.400;  
546/272.100; 546/268.100; 546/268.700; 546/269.700  
IC [7]  
ICM: C07D417-02  
ICS: C07D413-02; C07D043-02; C07D041-02; A61K031-513; A61K031-506;  
A61K031-497; A61K031-501; A61K031-444; A61K031-4439  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 24 OF 99 USPATFULL on STN  
AN 2003:264813 USPATFULL  
TI Human IgM antibodies, and diagnostic and therapeutic uses thereof  
particularly in the central nervous system  
IN Rodriguez, Moses, Rochester, MN, UNITED STATES  
Miller, David J., Ridgeway, WI, UNITED STATES  
Pease, Larry R., Rochester, MN, UNITED STATES  
PA Mayo Foundation, Rochester, MN, UNITED STATES, 55905 (U.S. corporation)  
PI US 2003185827 A1 20031002  
AI US 2001-10729 A1 20011113 (10)  
RLI Continuation-in-part of Ser. No. US 2000-730473, filed on 5 Dec 2000,  
PENDING Continuation-in-part of Ser. No. US 2000-580787, filed on 30 May  
2000, ABANDONED Continuation-in-part of Ser. No. US 1999-322862, filed  
on 28 May 1999, ABANDONED Continuation-in-part of Ser. No. US  
1997-779784, filed on 7 Jan 1997, PENDING Continuation of Ser. No. US  
1996-692084, filed on 8 Aug 1996, PENDING Continuation-in-part of Ser.  
No. US 1994-236520, filed on 29 Apr 1994, GRANTED, Pat. No. US 5591629  
DT Utility  
FS APPLICATION  
LN.CNT 7399  
INCL INCLM: 424/146.100  
INCLS: 424/152.100  
NCL NCLM: 424/146.100  
NCLS: 424/152.100  
IC [7]  
ICM: A61K039-395  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 25 OF 99 USPATFULL on STN  
AN 2003:257879 USPATFULL  
TI Novel human protein kinase, phosphatase, and protease family members and  
uses thereof  
IN Meyers, Rachel E., Newton, MA, UNITED STATES  
Olandt, Peter J., Newton, MA, UNITED STATES  
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
Curtis, Rory A. J., Framingham, MA, UNITED STATES  
Williamson, Mark, Saugus, MA, UNITED STATES  
Weich, Nadine, Brookline, MA, UNITED STATES  
PI US 2003180930 A1 20030925  
AI US 2002-170789 A1 20020613 (10)  
RLI Continuation-in-part of Ser. No. US 2001-797039, filed on 28 Feb 2001,  
PENDING Continuation-in-part of Ser. No. US 2001-882166, filed on 15 Jun  
2001, PENDING Continuation-in-part of Ser. No. US 2001-934406, filed on  
21 Aug 2001, PENDING Continuation-in-part of Ser. No. US 2001-861801,  
filed on 21 May 2001, PENDING Continuation-in-part of Ser. No. US  
2001-801267, filed on 6 Mar 2001, PENDING Continuation-in-part of Ser.  
No. US 2001-829671, filed on 10 Apr 2001, PENDING Continuation-in-part  
of Ser. No. US 2001-961721, filed on 24 Sep 2001, PENDING  
Continuation-in-part of Ser. No. US 2001-45367, filed on 7 Nov 2001,  
PENDING Continuation-in-part of Ser. No. US 2001-801275, filed on 6 Mar  
2001, PENDING  
PRAI WO 2001-US6525 20010228  
WO 2001-US19269 20010615  
WO 2001-US26052 20010821



WO 2001-US16549 20010521  
 WO 2001-US7138 20010305  
 WO 2001-US40483 20010411  
 WO 2001-US29904 20010924  
 WO 2001-US7074 20010305  
 US 2000-186061P 20000229 (60)  
 US 2000-212078P 20000615 (60)  
 US 2000-226740P 20000821 (60)  
 US 2000-205508P 20000519 (60)  
 US 2000-187454P 20000307 (60)  
 US 2000-197508P 20000418 (60)  
 US 2000-235023P 20000925 (60)  
 US 2000-246561P 20001107 (60)  
 US 2000-187420P 20000307 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 45159  
 INCL INCLM: 435/194.000  
 INCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200  
 NCL NCLM: 435/194.000  
 NCLS: 435/069.100; 435/325.000; 435/320.100; 536/023.200  
 IC [7]  
 ICM: C12N009-12  
 ICS: C07H021-04; C12P021-02; C12N005-06  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L9 ANSWER 26 OF 99 USPATFULL on STN  
 AN 2003:251541 USPATFULL  
 TI 55562 and 21617, novel human proteins and methods of use thereof  
 IN Bandaru, Rajasekhar, Watertown, MA, UNITED STATES  
 Meyers, Rachel E., Newton, MA, UNITED STATES  
 PI US 2003176330 A1 20030918  
 AI US 2001-23617 A1 20011218 (10)  
 PRAI US 2000-256249P 20001218 (60)  
 US 2000-256405P 20001218 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 6105  
 INCL INCLM: 514/012.000  
 INCLS: 435/190.000; 435/325.000; 435/320.100; 435/007.100; 435/069.100;  
 536/023.200; 530/388.260  
 NCL NCLM: 514/012.000  
 NCLS: 435/190.000; 435/325.000; 435/320.100; 435/007.100; 435/069.100;  
 536/023.200; 530/388.260  
 IC [7]  
 ICM: A61K038-17  
 ICS: C07K016-40; C12P021-02; C12N005-06; G01N033-53; C12N009-04;  
 C07H021-04  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L9 ANSWER 27 OF 99 USPATFULL on STN  
 AN 2003:245154 USPATFULL  
 TI Use of A33 antigens and JAM-IT  
 IN Ashkenazi, Avi, UNITED STATES  
 Fong, Sherman, UNITED STATES  
 Goddard, Audrey, UNITED STATES  
 Gurney, Austin L., UNITED STATES  
 Napier, Mary A., UNITED STATES  
 Tumas, Daniel, Orinda, CA, UNITED STATES  
 Wood, William I., UNITED STATES  
 PI US 2003171568 A1 20030911  
 AI US 2002-265542 A1 20021003 (10)  
 RLI Continuation-in-part of Ser. No. WO 2000-US4414, filed on 22 Feb 2000,  
 PENDING Continuation-in-part of Ser. No. WO 2000-US14042, filed on 22  
 May 2000, PENDING Continuation-in-part of Ser. No. WO 2000-US32678,  
 filed on 1 Dec 2000, PENDING Continuation-in-part of Ser. No. US  
 1999-254465, filed on 5 Mar 1999, GRANTED, Pat. No. US 6410708  
 Continuation-in-part of Ser. No. WO 1999-US5028, filed on 8 Mar 1999,  
 PENDING Continuation-in-part of Ser. No. US 1999-380138, filed on 25 Aug  
 1999, ABANDONED Continuation-in-part of Ser. No. US 1999-380139, filed  
 on 25 Aug 1999, ABANDONED Continuation-in-part of Ser. No. WO  
 1998-US19330, filed on 16 Sep 1998, PENDING Continuation-in-part of Ser.  
 No. US 2001-953499, filed on 14 Sep 2001, PENDING Continuation of Ser.  
 No. WO 1998-US24855, filed on 20 Nov 1998, PENDING  
 DT Utility  
 FS APPLICATION

LN.CNT 5925  
INCL INCLM: 536/023.500  
NCL NCLM: 536/023.500  
IC [7]  
ICM: C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 28 OF 99 USPTFULL on STN  
AN 2003:237867 USPTFULL  
TI Human G-protein chemokine receptor (CCR5) HDGNR10  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Roschke, Viktor, Rockville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PA Human Genome Sciences, Inc. (U.S. corporation)  
PI US 2003166024 A1 20030904,  
AI US 2002-135839 A1 20020501 (10)  
RLI Continuation of Ser. No. US 2001-779879, filed on 9 Feb 2001, ABANDONED  
PRAI US 2000-181258P 20000209 (60)  
US 2000-187999P 20000309 (60)  
US 2000-234336P 20000922 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 17941  
INCL INCLM: 435/007.230  
INCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000  
NCL NCLM: 435/007.230  
NCLS: 435/069.100; 435/320.100; 530/388.220; 536/023.530; 435/334.000  
IC [7]  
ICM: G01N033-574  
ICS: C07H021-04; C12P021-02; C07K016-30; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 29 OF 99 USPTFULL on STN  
AN 2003:237334 USPTFULL  
TI 22196, a novel human aminopeptidase  
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
White, David, Braintree, MA, UNITED STATES  
Silos-Santiago, Inmaculada, Cambridge, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003165491 A1 20030904  
AI US 2002-192445 A1 20020710 (10)  
RLI Division of Ser. No. US 1999-409180, filed on 30 Sep 1999, GRANTED, Pat.  
No. US 6444802  
DT Utility  
FS APPLICATION  
LN.CNT 3915  
INCL INCLM: 424/094.630  
INCLS: 435/007.210; 435/226.000; 435/069.100; 435/320.100; 435/325.000;  
536/023.200  
NCL NCLM: 424/094.630  
NCLS: 435/007.210; 435/226.000; 435/069.100; 435/320.100; 435/325.000;  
536/023.200  
IC [7]  
ICM: G01N033-567  
ICS: C07H021-04; A61K038-48; C12N009-64; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 30 OF 99 USPTFULL on STN  
AN 2003:237333 USPTFULL  
TI 22196, a novel human aminopeptidase  
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
White, David, Braintree, MA, UNITED STATES  
Silos-Santiago, Inmaculada, Cambridge, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003165490 A1 20030904  
AI US 2002-192207 A1 20020710 (10)  
RLI Continuation of Ser. No. US 1999-409180, filed on 30 Sep 1999, GRANTED,  
Pat. No. US 6444802  
DT Utility  
FS APPLICATION  
LN.CNT 3840  
INCL INCLM: 424/094.630  
INCLS: 435/069.100; 435/226.000; 435/325.000; 435/320.100; 536/023.200  
NCL NCLM: 424/094.630  
NCLS: 435/069.100; 435/226.000; 435/325.000; 435/320.100; 536/023.200

IC [7]  
ICM: A61K038-48  
ICS: C07H021-04; C12N009-64; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 31 OF 99 USPATFULL on STN  
AN 2003:231996 USPATFULL  
TI Methods of using 69039, a novel human Na/Ca exchanger family member  
IN Carroll, Joseph M., Cambridge, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003162196 A1 20030828  
AI US 2002-256537 A1 20020927 (10)  
PRAI US 2001-325737P 20010928 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5615  
INCL INCLM: 435/006.000  
INCLS: 435/007.100; 435/091.200  
NCL NCLM: 435/006.000  
NCLS: 435/007.100; 435/091.200

IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C12P019-34  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 32 OF 99 USPATFULL on STN  
AN 2003:220233 USPATFULL  
TI Methods for inhibiting ocular processes  
IN Hinton, David R., Venice, CA, UNITED STATES  
He, Shikun, Temple City, CA, UNITED STATES  
Oliver, Noelynn A., Los Altos, CA, UNITED STATES  
PI US 2003153524 A1 20030814  
AI US 2002-317390 A1 20021211 (10)  
PRAI US 2001-339547P 20011211 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2796  
INCL INCLM: 514/044.000  
INCLS: 424/145.100; 514/001.000  
NCL NCLM: 514/044.000  
NCLS: 424/145.100; 514/001.000

IC [7]  
ICM: A61K048-00  
ICS: A61K031-00; A61K039-395  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 33 OF 99 USPATFULL on STN  
AN 2003:207939 USPATFULL  
TI Pyrimidine carboxamides useful as inhibitors of pde4 isozymes  
IN Magee, Thomas Victor, Mystic, CT, UNITED STATES  
Marfat, Anthony, Mystic, CT, UNITED STATES  
Chambers, Robert James, Mystic, CT, UNITED STATES  
PI US 2003144300 A1 20030731  
US 6740655 B2 20040525  
AI US 2002-181417 A1 20020724 (10)  
WO 2001-IB125 20010130  
DT Utility  
FS APPLICATION  
LN.CNT 5944  
INCL INCLM: 514/256.000  
INCLS: 514/269.000; 544/314.000; 544/326.000; 544/328.000  
NCL NCLM: 514/255.050  
NCLS: 514/269.000; 544/319.000

IC [7]  
ICM: A61K031-513  
ICS: A61K031-506  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 34 OF 99 USPATFULL on STN  
AN 2003:200905 USPATFULL  
TI Novel G protein-coupled receptor family members, human thioredoxin  
family members, human leucine-rich repeat family members, and human  
ringfinger family member  
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES  
Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES  
Galvin, Katherine M., Jamaica Plain, MA, UNITED STATES

Weich, Nadine, Brookline, MA, UNITED STATES  
Curtis, Rory A. J., Framingham, MA, UNITED STATES  
Bandaru, Rajasekhar, Watertown, MA, UNITED STATES  
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES

PI US 2003138890 A1 20030724  
AI US 2002-145586 A1 20020514 (10)  
RLI Continuation-in-part of Ser. No. US 2001-796338, filed on 28 Feb 2001,  
PENDING Continuation-in-part of Ser. No. WO 2001-US6543, filed on 28 Feb  
2001, PENDING

PRAI WO 2001-US6057 20010223  
WO 2001-US23152 20010723  
WO 2001-US40476 20010409  
WO 2001-US7139 20010305  
WO 2001-US19544 20010615  
WO 2001-US29967 20010925  
WO 2001-US9470 20010323  
WO 2001-US10380 20010330  
WO 2001-US29968 20010925  
US 2000-186059P 20000229 (60)  
US 2000-220042P 20000721 (60)  
US 2000-187447P 20000307 (60)  
US 2000-211673P 20000615 (60)  
US 2000-235049P 20000925 (60)  
US 2000-191863P 20000324 (60)  
US 2000-193919P 20000331 (60)  
US 2000-235032P 20000925 (60)

DT Utility  
FS APPLICATION

LN.CNT 51652

INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 530/350.000; 536/023.500

IC [7]  
ICM: C07K014-705  
ICS: C12P021-02; C12N005-06; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 35 OF 99 USPATFULL on STN

AN 2003:188692 USPATFULL

TI Novel human genes and methods of use thereof

IN Meyers, Rachel E., Newton, MA, UNITED STATES

Curtis, Rory A. J., Framingham, MA, UNITED STATES

Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES

Bandaru, Rajasekhar, Watertown, MA, UNITED STATES

Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES

PI US 2003130485 A1 20030710

AI US 2002-176306 A1 20020620 (10)

RLI Continuation-in-part of Ser. No. US 2001-1137, filed on 14 Nov 2001,  
PENDING Continuation-in-part of Ser. No. WO 2001-US45291, filed on 14  
Nov 2001, PENDING

PRAI WO 2001-US49416 20011218  
WO 2001-US46717 20011022  
US 2000-248362P 20001114 (60)  
US 2000-248331P 20001114 (60)  
US 2000-248365P 20001114 (60)  
US 2000-250077P 20001130 (60)  
US 2000-250327P 20001130 (60)  
US 2000-250176P 20001130 (60)

DT Utility  
FS APPLICATION

LN.CNT 26835

INCL INCLM: 530/350.000  
INCLS: 536/023.500; 530/388.100; 435/069.100; 435/320.100; 435/325.000

NCL NCLM: 530/350.000  
NCLS: 536/023.500; 530/388.100; 435/069.100; 435/320.100; 435/325.000

IC [7]  
ICM: C07K014-435  
ICS: C07K016-40; C12P021-02; C12N005-06; C07H021-04

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 36 OF 99 USPATFULL on STN

AN 2003:187835 USPATFULL

TI Methods of using 5433, a human calcium channel family member

IN Silos-Santiago, Inmaculada, Jamaica Plain, MA, UNITED STATES

PA Millennium Pharmaceuticals, Inc. (U.S. corporation)

PI US 2003129625 A1 20030710  
AI US 2002-245121 A1 20020917 (10)  
PRAI US 2001-322983P 20010917 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4991  
INCL INCLM: 435/006.000  
INCLS: 435/007.100  
NCL NCLM: 435/006.000  
NCLS: 435/007.100  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 37 OF 99 USPATFULL on STN  
AN 2003:187401 USPATFULL  
TI Complement pathway inhibitors binding to C5 and C5a without preventing  
formation of C5b  
IN Fung, Michael, Houston, TX, UNITED STATES  
Lu, Meisheng, Houston, TX, UNITED STATES  
Sun, William N.C., Shanghai, CHINA  
Sun, Cecily R.Y., Shanghai, CHINA  
PA Tanox, Inc. (U.S. corporation)  
PI US 2003129187 A1 20030710  
AI US 2002-222464 A1 20020817 (10)  
PRAI US 2001-313137P 20010817 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1012  
INCL INCLM: 424/144.100  
INCLS: 435/334.000; 530/388.220; 424/141.100; 530/388.150  
NCL NCLM: 424/144.100  
NCLS: 435/334.000; 530/388.220; 424/141.100; 530/388.150  
IC [7]  
ICM: A61K039-395  
ICS: C12N005-06; C07K016-28

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 38 OF 99 USPATFULL on STN  
AN 2003:181505 USPATFULL  
TI Compounds, compositions and methods for modulating beta-amyloid  
production  
IN Connop, Bruce P., Vancouver, CANADA  
Grant, Amelia, Vancouver, CANADA  
Nathwani, Parimal S., Burnaby, CANADA  
PA Active Pass Pharmaceuticals, Inc., Vancouver, CANADA, V5Z 4H5 (non-U.S.  
corporation)  
PI US 2003125338 A1 20030703  
AI US 2002-170224 A1 20020612 (10)  
PRAI US 2001-309257P 20010731 (60)  
US 2001-297845P 20010612 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2198  
INCL INCLM: 514/255.060  
INCLS: 514/255.050; 544/405.000; 544/408.000  
NCL NCLM: 514/255.060  
NCLS: 514/255.050; 544/405.000; 544/408.000  
IC [7]  
ICM: A61K031-4965  
ICS: C07D043-02; C07D241-02

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 39 OF 99 USPATFULL on STN  
AN 2003:173317 USPATFULL  
TI 32132, a novel fucosyltransferase family member and uses therefor  
IN Meyers, Rachel A., Newton, MA, UNITED STATES  
Williamson, Mark, Saugus, MA, UNITED STATES  
PI US 2003119161 A1 20030626  
AI US 2001-844948 A1 20010427 (9)  
PRAI US 2000-200604P 20000428 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5346  
INCL INCLM: 435/193.000

INCLS: 435/006.000; 435/007.230; 536/023.200; 435/320.100; 435/325.000;  
435/069.100; 424/146.100  
NCL NCLM: 435/193.000  
NCLS: 435/006.000; 435/007.230; 536/023.200; 435/320.100; 435/325.000;  
435/069.100; 424/146.100  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-574; C07H021-04; A61K039-395; C12N009-10  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 40 OF 99 USPATFULL on STN  
AN 2003:173234 USPATFULL  
TI Method of reducing immunogenicity of toxicity of an antibody of IgG  
class  
IN Graves, Scott S., Monroe, WA, UNITED STATES  
Reno, John M., Brier, WA, UNITED STATES  
Mallett, Robert W., Everett, WA, UNITED STATES  
Hylarides, Mark D., Stanwood, WA, UNITED STATES  
Searle, Stephen M.J., Cambridge, UNITED KINGDOM  
Henry, Andrew H., Ely, UNITED KINGDOM  
Pedersen, Jan T., Bronshoj, DENMARK  
Rees, Anthony R., St. Chaptes, FRANCE  
PA NeorX Corporation, Seattle, WA, UNITED STATES, 98119 (U.S. corporation)  
PI US 2003119078 A1 20030626  
AI US 2002-56794 A1 20020124 (10)  
RLI Continuation of Ser. No. US 1997-871488, filed on 9 Jun 1997, GRANTED,  
Pat. No. US 6358710 Continuation-in-part of Ser. No. US 1996-660362,  
filed on 7 Jun 1996, ABANDONED  
DT Utility  
FS APPLICATION  
LN.CNT 2585  
INCL INCLM: 435/007.230  
INCLS: 530/388.150  
NCL NCLM: 435/007.230  
NCLS: 530/388.150  
IC [7]  
ICM: G01N033-574  
ICS: C07K016-44  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 41 OF 99 USPATFULL on STN  
AN 2003:173153 USPATFULL  
TI Human cDNAs and proteins and uses thereof  
IN Bejanin, Stephane, Paris, FRANCE  
Tanaka, Hiroaki, Antony, FRANCE  
PA GENSET, S.A., Paris, FRANCE, 75008 (non-U.S. corporation)  
PI US 2003118997 A1 20030626  
AI US 2001-978418 A1 20011015 (9)  
PRAI US 2001-311305P 20010810 (60)  
US 2001-314734P 20010824 (60)  
US 2001-318204P 20010907 (60)  
US 2001-326470P 20011001 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 15316  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 42 OF 99 USPATFULL on STN  
AN 2003:166054 USPATFULL  
TI Pluripotent stem cells derived without the use of embryos or  
\*\*\*\*fetal\*\*\*\* tissue  
IN Levanduski, Mike, River Vale, NJ, UNITED STATES  
PI US 2003113910 A1 20030619  
AI US 2001-26420 A1 20011219 (10)  
DT Utility  
FS APPLICATION  
LN.CNT 3528  
INCL INCLM: 435/325.000  
INCLS: 435/354.000; 435/366.000

NCL NCLM: 435/325.000  
NCLS: 435/354.000; 435/366.000  
IC [7]  
ICM: C12N005-06  
ICS: C12N005-08; C12N015-85  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 43 OF 99 USPATFULL on STN  
AN 2003:165985 USPATFULL  
TI 8105, a novel human sugar transporter family member and uses thereof  
IN Curtis, Rory A.J., Framingham, MA, UNITED STATES  
Gu, Wei, Brookline, MA, UNITED STATES  
PI US 2003113841 A1 20030619  
AI US 2002-144624 A1 20020513 (10)  
PRAI US 2001-290288P 20010511 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5398  
INCL INCLM: 435/069.100  
INCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.200  
NCL NCLM: 435/069.100  
NCLS: 435/320.100; 435/325.000; 435/006.000; 530/350.000; 536/023.200  
IC [7]  
ICM: C12P021-02  
ICS: C12N005-06; C12Q001-68; C07H021-04; C07K014-435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 44 OF 99 USPATFULL on STN  
AN 2003:152692 USPATFULL  
TI Diagnosis methods based on microcompetition for a limiting GABP complex  
IN Polansky, Hanan, Rochester, NY, UNITED STATES  
PI US 2003104358 A1 20030605  
AI US 2002-219649 A1 20020815 (10)  
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 14430  
INCL INCLM: 435/005.000  
INCLS: 435/006.000  
NCL NCLM: 435/005.000  
NCLS: 435/006.000  
IC [7]  
ICM: C12Q001-70  
ICS: C12Q001-68  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 45 OF 99 USPATFULL on STN  
AN 2003:146312 USPATFULL  
TI Human G-protein Chemokine Receptor (CCR5) HDGMR10  
IN Roschke, Viktor, Rockville, MD, UNITED STATES  
Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PA Human Genome Sciences, Inc. (U.S. corporation)  
PI US 2003100058 A1 20030529  
AI US 2002-67800 A1 20020208 (10)  
RLI Continuation-in-part of Ser. No. WO 2001-US4153, filed on 9 Feb 2001,  
UNKNOWN Continuation-in-part of Ser. No. US 2001-779880, filed on 9 Feb  
2001, PENDING  
PRAI US 2001-297257P 20010612 (60)  
US 2001-310458P 20010808 (60)  
US 2001-328447P 20011012 (60)  
US 2001-341725P 20011221 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 18955  
INCL INCLM: 435/069.100  
INCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530  
NCL NCLM: 435/069.100  
NCLS: 435/326.000; 435/320.100; 530/388.800; 536/023.530  
IC [7]  
ICM: C12P021-02  
ICS: C07H021-04; C12N005-06; C07K016-30  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 46 OF 99 USPATFULL on STN

AN 2003:140530 USPATFULL  
 TI Human cytokines  
 IN Bandman, Olga, Mountain View, CA, UNITED STATES  
 Hawkins, Phillip R., Mountain View, CA, UNITED STATES  
 Murry, Lynn E., Fayetteville, AR, UNITED STATES  
 Goli, Surya K., San Jose, CA, UNITED STATES  
 PA Incyte Genomics, Inc., Palo Alto, CA (U.S. corporation)  
 PI US 2003096371 A1 20030522  
 AI US 2002-300257 A1 20021119 (10)  
 RLI Division of Ser. No. US 2001-782142, filed on 12 Feb 2001, PENDING  
 Division of Ser. No. US 1997-792013, filed on 31 Jan 1997, GRANTED, Pat.  
 No. US 6204021  
 DT Utility  
 FS APPLICATION  
 LN.CNT 2348  
 INCL INCLM: 435/069.500  
 INCLS: 435/252.300; 435/320.100; 435/325.000; 530/351.000; 536/023.500;  
 800/008.000; 424/085.100  
 NCL NCLM: 435/069.500  
 NCLS: 435/252.300; 435/320.100; 435/325.000; 530/351.000; 536/023.500;  
 800/008.000; 424/085.100  
 IC [7]  
 ICM: A01K067-00  
 ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-52; A61K038-19;  
 C12N001-21  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 47 OF 99 USPATFULL on STN  
 AN 2003:140464 USPATFULL  
 TI Novel human membrane-associated protein and cell surface protein family  
 members  
 IN Meyers, Rachel E., Newton, MA, UNITED STATES  
 Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES  
 Curtis, Rory A. J., Framingham, MA, UNITED STATES  
 Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
 Bandaru, Rajasekhar, Watertown, MA, UNITED STATES  
 Leiby, Kevin R., Natick, MA, UNITED STATES  
 PI US 2003096305 A1 20030522  
 AI US 2002-162435 A1 20020604 (10)  
 RLI Continuation-in-part of Ser. No. US 2001-836499, filed on 17 Apr 2001,  
 PENDING  
 PRAI WO 2001-US12420 20010417  
 WO 2001-US19963 20010625  
 WO 2001-US16013 20010518  
 WO 2001-US20055 20010621  
 WO 2002-US275 20020108  
 WO 2001-US41811 20010821  
 US 2000-197507P 20000418 (60)  
 US 2000-214220P 20000623 (60)  
 US 2000-205674P 20000519 (60)  
 US 2000-213963P 20000623 (60)  
 US 2001-260286P 20010108 (60)  
 US 2000-226612P 20000821 (60)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 30445  
 INCL INCLM: 435/007.100  
 INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
 530/388.100; 536/023.200  
 NCL NCLM: 435/007.100  
 NCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;  
 530/388.100; 536/023.200  
 IC [7]  
 ICM: G01N033-53  
 ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435;  
 C07K016-40  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 48 OF 99 USPATFULL on STN  
 AN 2003:134031 USPATFULL  
 TI Novel nucleic acid sequences encoding adenylate kinase, phospholipid  
 scramblase-like, DNA fragmentation factor-like, phosphatidylserine  
 synthase-like, and ATPase-like molecules and uses therefor  
 IN Chun, Miyoung, Belmont, MA, UNITED STATES  
 Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES  
 Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES



PA Meyers, Rachel E., Newton, MA, UNITED STATES  
PI Millennium Pharmaceuticals, Inc. (U.S. corporation)  
AI US 2003092116 A1 20030515  
ALI US 2002-165800 A1 20020607 (10)  
RLI Continuation-in-part of Ser. No. US 2001-781677, filed on 12 Feb 2001,  
PENDING Continuation-in-part of Ser. No. US 2001-795038, filed on 26 Feb  
2001, PENDING Continuation-in-part of Ser. No. US 2001-790180, filed on  
21 Feb 2001, PENDING Continuation-in-part of Ser. No. US 2001-790838,  
filed on 22 Feb 2001, GRANTED, Pat. No. US 6489152 Continuation-in-part  
of Ser. No. US 2001-790179, filed on 21 Feb 2001, GRANTED, Pat. No. US  
6479268  
PRAI US 2000-181705P 20000210 (60)  
US 2000-186234P 20000229 (60)  
US 2000-185947P 20000229 (60)  
US 2000-185946P 20000229 (60)  
US 2000-185609P 20000229 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 18760  
INCL INCLM: 435/069.100  
INCLS: 435/183.000; 435/194.000; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 435/069.100  
NCLS: 435/183.000; 435/194.000; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C07H021-04  
ICS: C12N009-00; C12N009-12; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 49 OF 99 USPATFULL on STN  
AN 2003:133459 USPATFULL  
TI Interferon-Beta polynucleotide therapy for autoimmune and inflammatory  
diseases  
IN Parker, Suezanne E., San Diego, CA, UNITED STATES  
Horton, Holly M., San Diego, CA, UNITED STATES  
PA Vical Incorporated (U.S. corporation)  
PI US 2003091544 A1 20030515  
AI US 2002-96373 A1 20020313 (10)  
PRAI US 2001-275044P 20010313 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3341  
INCL INCLM: 424/093.210  
INCLS: 514/044.000  
NCL NCLM: 424/093.210  
NCLS: 514/044.000  
IC [7]  
ICM: A61K048-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 50 OF 99 USPATFULL on STN  
AN 2003:102135 USPATFULL  
TI Immunological composition and its method of use to transiently disrupt  
mammalian central nervous system myelin to promote neuronal regeneration  
IN Steeves, John D., N. Vancouver, CANADA  
Dyer, Jason K., N. Van, CANADA  
Keirstead, Hans S., Vancouver, CANADA  
PA University of British Columbia, CANADA (non-U.S. corporation)  
PI US 6548061 B1 20030415  
AI US 1998-181719 19981028 (9)  
PRAI CA 1997-2219683 19971028  
CA 1998-2251410 19981016  
DT Utility  
FS GRANTED  
LN.CNT 1945  
INCL INCLM: 424/130.100  
INCLS: 424/141.100; 424/172.100  
NCL NCLM: 424/130.100  
NCLS: 424/141.100; 424/172.100  
IC [7]  
ICM: A61K039-395  
EXF 530/387.1; 424/130.1; 424/141.1; 424/172.1; 424/1.41; 435/337; 436/821  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 51 OF 99 USPATFULL on STN  
AN 2003:100088 USPATFULL  
TI Treatment methods based on microcompetition for a limiting GABP complex

IN Polansky, Hanan, Rochester, NY, UNITED STATES  
PI US 2003069199 A1 20030410  
AI US 2002-219334 A1 20020815 (10)  
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 14837  
INCL INCLM: 514/044.000  
INCLS: 424/093.200; 424/186.100  
NCL NCLM: 514/044.000  
NCLS: 424/093.200; 424/186.100  
IC [7]  
ICM: A61K048-00  
ICS: A61K039-12  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 52 OF 99 USPATFULL on STN  
AN 2003:99511 USPATFULL  
TI Drug discovery assays based on microcompetition for a limiting GABP  
complex  
IN Polansky, Hanan, Rochester, NY, UNITED STATES  
PI US 2003068616 A1 20030410  
AI US 2002-223050 A1 20020814 (10)  
RLI Continuation-in-part of Ser. No. US 2000-732360, filed on 7 Dec 2000,  
PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 14981  
INCL INCLM: 435/005.000  
INCLS: 435/007.210; 435/456.000; 435/320.100; 435/325.000; 435/366.000  
NCL NCLM: 435/005.000  
NCLS: 435/007.210; 435/456.000; 435/320.100; 435/325.000; 435/366.000  
IC [7]  
ICM: C12Q001-70  
ICS: G01N033-567; C12N015-86; C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 53 OF 99 USPATFULL on STN  
AN 2003:79071 USPATFULL  
TI Characterization of GRP94-ligand interactions and purification,  
screening, and therapeutic methods relating thereto  
IN Nicchitta, Christopher V., Durham, NC, UNITED STATES  
Wassenberg, James J., Durham, NC, UNITED STATES  
Rosser, Meredith F.N., Durham, NC, UNITED STATES  
Reed, Robyn C., Durham, NC, UNITED STATES  
PI US 2003054996 A1 20030320  
AI US 2002-210333 A1 20020801 (10)  
RLI Continuation of Ser. No. WO 2001-US9512, filed on 26 Mar 2001, PENDING  
PRAI US 2000-192118P 20000324 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5078  
INCL INCLM: 514/012.000  
INCLS: 435/199.000  
NCL NCLM: 514/012.000  
NCLS: 435/199.000  
IC [7]  
ICM: A61K038-17  
ICS: C12N009-22  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 54 OF 99 USPATFULL on STN  
AN 2003:70969 USPATFULL  
TI Modulating neuronal outgrowth via the major histocompatibility complex  
Class I (MHC I) molecule  
IN Kaufman, Daniel L., Los Angeles, CA, UNITED STATES  
Hanssen, Lorraine, Los Angeles, CA, UNITED STATES  
Zekzer, Dan, Encinitas, CA, UNITED STATES  
PI US 2003049254 A1 20030313  
AI US 2002-161647 A1 20020605 (10)  
PRAI US 2001-295596P 20010605 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2511  
INCL INCLM: 424/144.100

INCLS: 435/366.000  
NCL NCLM: 424/144.100  
NCLS: 435/366.000  
IC [7]  
ICM: A61K039-395  
ICS: C12N005-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 55 OF 99 USPATFULL on STN  
AN 2003:58037 USPATFULL  
TI Siglec-12 polypeptides, polynucleotides, and methods of use thereof  
IN Anderson, Dirk M., Seattle, WA, UNITED STATES  
Marken, John S., Seattle, WA, UNITED STATES  
PI US 2003040604 A1 20030227  
AI US 2002-158238 A1 20020529 (10)  
PRAI US 2001-294199P 20010529 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 3243  
INCL INCLM: 530/350.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200  
NCL NCLM: 530/350.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 536/023.200  
IC [7]  
ICM: C07K014-705  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 56 OF 99 USPATFULL on STN  
AN 2003:52389 USPATFULL  
TI Novel nucleic acid sequences encoding a human ubiquitin protease,  
lipase, dynamin, short chain dehydrogenase, and ADAM-TS metalloprotease  
and uses therefor  
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES  
Kapeller-Libermann, Rosana, Chestnut Hill, MA, UNITED STATES  
Meyers, Rachel E., Newton, MA, UNITED STATES  
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003037350 A1 20030220  
AI US 2002-163547 A1 20020605 (10)  
RLI Continuation-in-part of Ser. No. US 1999-407356, filed on 29 Sep 1999,  
PENDING Continuation-in-part of Ser. No. US 2000-704918, filed on 2 Nov  
2000, PENDING Continuation-in-part of Ser. No. US 1999-435311, filed on  
5 Nov 1999, PENDING Continuation-in-part of Ser. No. US 2001-796100,  
filed on 28 Feb 2001, PENDING Continuation-in-part of Ser. No. US  
2001-781598, filed on 12 Feb 2001, PENDING Continuation-in-part of Ser.  
No. US 2001-782952, filed on 14 Feb 2001, PENDING Continuation-in-part  
of Ser. No. US 2000-496005, filed on 1 Feb 2000, PENDING  
PRAI US 2000-185503P 20000228 (60)  
US 2000-182009P 20000211 (60)  
US 2000-182408P 20000214 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 23031  
INCL INCLM: 800/008.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/183.000; 536/023.200  
NCL NCLM: 800/008.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/183.000; 536/023.200  
IC [7]  
ICM: A01K067-00  
ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 57 OF 99 USPATFULL on STN  
AN 2003:51551 USPATFULL  
TI TGF-alpha polypeptides, functional fragments and methods of use therefor  
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES  
Pernet, Andre, Lake Forest, IL, UNITED STATES  
Felker, Thomas S., Vashon, WA, UNITED STATES  
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES  
Reno, John M., Brier, WA, UNITED STATES  
PI US 2003036509 A1 20030220  
US 6677307 B2 20040113  
AI US 2002-138158 A1 20020501 (10)  
RLI Continuation-in-part of Ser. No. US 2000-641587, filed on 17 Aug 2000,  
PENDING Continuation-in-part of Ser. No. US 2000-559248, filed on 26 Apr

2000, PENDING Continuation-in-part of Ser. No. US 1999-459813, filed on  
13 Dec 1999, PENDING Continuation-in-part of Ser. No. US 1999-378567,  
filed on 19 Aug 1999, ABANDONED

DT Utility  
FS APPLICATION  
LN.CNT 2915  
INCL INCLM: 514/012.000  
INCLS: 530/399.000  
NCL NCLM: 514/012.000  
NCLS: 530/300.000; 530/402.000  
IC [7]  
ICM: A61K038-18  
ICS: C07K014-475

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 58 OF 99 USPATFULL on STN  
AN 2003:51224 USPATFULL  
TI Peptide extended glycosylated polypeptides  
IN Okkels, Jens Sigurd, Vedbaek, DENMARK  
Jensen, Anne Dam, Copenhagen, DENMARK  
van den Hazel, Bart, Copenhagen, DENMARK  
PI US 2003036181 A1 20030220  
AI US 2001-896896 A1 20010629 (9)  
PRAI DK 2000-1027 20000630  
DK 2000-1092 20000714  
WO 2000-DK743 20001229  
WO 2001-DK90 20010209  
US 2000-217497P 20000711 (60)  
US 2000-225558P 20000816 (60)

DT Utility  
FS APPLICATION  
LN.CNT 4732  
INCL INCLM: 435/184.000  
INCLS: 435/183.000; 530/322.000; 530/388.100; 530/351.000; 530/350.000;  
530/397.000  
NCL NCLM: 435/184.000  
NCLS: 435/183.000; 530/322.000; 530/388.100; 530/351.000; 530/350.000;  
530/397.000  
IC [7]  
ICM: C12N009-99  
ICS: C12N009-00; C07K009-00; C07K016-46; C07K014-705; C07K014-575;  
C07K014-52; C07K014-475

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 59 OF 99 USPATFULL on STN  
AN 2003:44781 USPATFULL  
TI 48120, 23479 and 46689, novel human hydrolases and uses thereof  
IN Meyers, Rachel E., Newton, MA, UNITED STATES  
Bandaru, Rajasekhar, Watertown, MA, UNITED STATES  
Curtis, Rory A.J., Southborough, MA, UNITED STATES  
PI US 2003032091 A1 20030213  
AI US 2001-971490 A1 20011005 (9)  
PRAI US 2000-238170P 20001005 (60)  
US 2000-237991P 20001005 (60)

DT Utility  
FS APPLICATION  
LN.CNT 7627  
INCL INCLM: 435/069.100  
INCLS: 435/196.000; 435/320.100; 435/325.000; 530/388.260; 536/023.200  
NCL NCLM: 435/069.100  
NCLS: 435/196.000; 435/320.100; 435/325.000; 530/388.260; 536/023.200  
IC [7]  
ICM: C12N009-16  
ICS: C07H021-04; C12P021-02; C12N005-06; C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 60 OF 99 USPATFULL on STN  
AN 2003:30272 USPATFULL  
TI 85080, a human metal ion transporter family member and uses thereof  
IN Curtis, Rory A.J., Framingham, MA, UNITED STATES  
PA Millennium Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2003022219 A1 20030130  
AI US 2002-186511 A1 20020701 (10)  
PRAI US 2001-305260P 20010713 (60)  
DT Utility  
FS APPLICATION

LN.CNT 4965  
INCL INCLM: 435/006.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
NCL NCLM: 435/006.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500  
IC [7]  
ICM: C12Q001-68  
ICS: C07H021-04; C12P021-02; C12N005-06; C07K014-435  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 61 OF 99 USPATFULL on STN  
AN 2003:30210 USPATFULL  
TI Methods of producing a library and methods of selecting polynucleotides of interest  
IN Zauderer, Maurice, Pittsford, NY, UNITED STATES  
Smith, Ernest S., Ontario, NY, UNITED STATES  
PA University of Rochester (U.S. corporation)  
PI US 2003022157 A1 20030130  
AI US 2001-818991 A1 20010328 (9)  
PRAI US 2000-192586P 20000328 (60)  
US 2000-203343P 20000510 (60)  
US 2001-263226P 20010123 (60)  
US 2001-271426P 20010227 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 10535  
INCL INCLM: 435/005.000  
INCLS: 435/069.100; 435/456.000; 435/235.100  
NCL NCLM: 435/005.000  
NCLS: 435/069.100; 435/456.000; 435/235.100  
IC [7]  
ICM: C12Q001-70  
ICS: C12N007-00; C12P021-02; C12N015-863  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 62 OF 99 USPATFULL on STN  
AN 2002:337936 USPATFULL  
TI TGF-alpha polypeptides, functional fragments and methods of use therefor  
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES  
Pernet, Andre, Lake Forest, IL, UNITED STATES  
Felker, Thomas S., Vashon, WA, UNITED STATES  
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES  
PA Stem Cell Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2002193301 A1 20021219  
AI US 2002-39119 A1 20020104 (10)  
RLI Continuation of Ser. No. US 2000-641587, filed on 17 Aug 2000, PENDING  
Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan 2000,  
PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on 19 Aug  
1999, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 2673  
INCL INCLM: 514/012.000  
NCL NCLM: 514/012.000  
IC [7]  
ICM: A61K038-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 63 OF 99 USPATFULL on STN  
AN 2002:310915 USPATFULL  
TI Methods of increasing body weight in a subject by administering  
TGF-.alpha.  
IN Twardzik, Daniel R., Bainbridge Island, WA, United States  
Paskell, Stefan, Bainbridge Island, WA, United States  
Felker, Thomas S., Vashon, WA, United States  
PA Stem Cell Pharmaceuticals, Inc., Seattle, WA, United States (U.S.  
corporation)  
PI US 6486122 B1 20021126  
AI US 2000-559248 20000426 (9)  
RLI Continuation-in-part of Ser. No. US 1999-459813, filed on 13 Dec 1999  
Continuation-in-part of Ser. No. US 1999-299473, filed on 26 Apr 1999  
DT Utility  
FS GRANTED  
LN.CNT 1713  
INCL INCLM: 514/002.000  
INCLS: 530/300.000; 530/324.000

NCL NCLM: 514/002.000  
NCLS: 530/300.000; 530/324.000  
IC [7]  
ICM: A01N037-18  
ICS: A61K038-00; C07K014-00; C07K016-00; C07K017-00  
EXF 514/2; 530/300; 530/324  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 64 OF 99 USPATFULL on STN  
AN 2002:301586 USPATFULL  
TI TGF-alpha polypeptides, functional fragments and methods of use therefor  
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES  
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES  
Felker, Thomas S., Vashon, WA, UNITED STATES  
PI US 2002169131 A1 20021114  
AI US 2001-955581 A1 20010912 (9)  
RLI Continuation of Ser. No. US 2000-559248, filed on 26 Apr 2000, PENDING  
Continuation-in-part of Ser. No. US 1999-459813, filed on 13 Dec 1999,  
PENDING Continuation-in-part of Ser. No. US 1999-299473, filed on 26 Apr  
1999, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 1991  
INCL INCLM: 514/015.000  
INCLS: 530/328.000  
NCL NCLM: 514/015.000  
NCLS: 530/328.000  
IC [7]  
ICM: A61K038-08  
ICS: C07K007-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 65 OF 99 USPATFULL on STN  
AN 2002:301574 USPATFULL  
TI TGF-alpha polypeptides, functional fragments and methods of use therefor  
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES  
Pernet, Andre, Lake Forest, IL, UNITED STATES  
Felker, Thomas S., Vashon, WA, UNITED STATES  
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES  
PI US 2002169119 A1 20021114  
AI US 2001-932172 A1 20010817 (9)  
RLI Continuation-in-part of Ser. No. US 2000-641587, filed on 17 Aug 2000,  
PENDING Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan  
2000, PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on  
19 Aug 1999, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 2472  
INCL INCLM: 514/012.000  
NCL NCLM: 514/012.000  
IC [7]  
ICM: A61K038-18  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 66 OF 99 USPATFULL on STN  
AN 2002:294726 USPATFULL  
TI 32144, a novel human fatty acid amide hydrolase family member and uses  
thereof  
IN Curtis, Rory A.J., Southborough, MA, UNITED STATES  
MacBeth, Kyle J., Boston, MA, UNITED STATES  
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES  
PI US 2002164769 A1 20021107  
AI US 2001-966614 A1 20010927 (9)  
PRAI US 2000-238054P 20001005 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5256  
INCL INCLM: 435/228.000  
INCLS: 435/069.100; 435/320.100; 435/325.000; 435/007.100; 530/388.260;  
536/023.200  
NCL NCLM: 435/228.000  
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/007.100; 530/388.260;  
536/023.200  
IC [7]  
ICM: C12N009-80  
ICS: G01N033-53; C07H021-04; C12P021-02; C12N005-06; C07K016-40

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 67 OF 99 USPATFULL on STN  
AN 2002:287633 USPATFULL  
TI Isolated GRP94 ligand binding domain polypeptide and nucleic acid  
encoding same, and screening methods employing same  
IN Gewirth, Daniel T., Durham, NC, UNITED STATES  
Nicchitta, Christopher V., Durham, NC, UNITED STATES  
PI US 2002160496 A1 20021031  
AI US 2001-968436 A1 20011001 (9)  
RLI Continuation-in-part of Ser. No. WO 2001-US9512, filed on 26 Mar 2001,  
UNKNOWN  
PRAI US 2000-192118P 20000324 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5917  
INCL INCLM: 435/226.000  
INCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200  
NCL NCLM: 435/226.000  
NCLS: 435/320.100; 435/325.000; 435/069.100; 536/023.200  
IC [7]  
ICM: C12N009-64  
ICS: C07H021-04; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 68 OF 99 USPATFULL on STN  
AN 2002:276128 USPATFULL  
TI Inhibition of inflammation via inhibition of COX-2 gene transcription  
IN Bleich, David, Pasadena, CA, United States  
Chen, Songyuan, Duarte, CA, United States  
Han, Xiao, Duarte, CA, United States  
PA City of Hope, Duarte, CA, United States (U.S. corporation)  
PI US 6469063 B1 20021022  
AI US 2000-714889 20001117 (9)  
PRAI US 1999-166161P 19991118 (60)  
DT Utility  
FS GRANTED  
LN.CNT 617  
INCL INCLM: 514/538.000  
INCLS: 514/540.000  
NCL NCLM: 514/538.000  
NCLS: 514/540.000  
IC [7]  
ICM: A61K031-216  
EXF 514/540; 514/538  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 69 OF 99 USPATFULL on STN  
AN 2002:259412 USPATFULL  
TI Therapeutic compositions and methods of treating glycolipid storage  
related disorders  
IN Dwek, Raymond A., Oxford, UNITED KINGDOM  
Butters, Terence D., Oxford, UNITED KINGDOM  
PI US 2002142985 A1 20021003  
AI US 2001-42527 A1 20011019 (10)  
RLI Continuation of Ser. No. WO 2000-GB1560, filed on 20 Apr 2000, UNKNOWN  
PRAI GB 1999-9066 19990420  
DT Utility  
FS APPLICATION  
LN.CNT 1563  
INCL INCLM: 514/044.000  
INCLS: 514/328.000; 514/238.800  
NCL NCLM: 514/044.000  
NCLS: 514/328.000; 514/238.800  
IC [7]  
ICM: A61K048-00  
ICS: A61K031-535; A61K031-445  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 70 OF 99 USPATFULL on STN  
AN 2002:243807 USPATFULL  
TI Therapeutic agents and methods of use thereof for treating an  
amyloidogenic disease  
IN Gefter, Malcolm L., Lincoln, MA, UNITED STATES  
Israel, David I., Concord, MA, UNITED STATES  
Joyal, John L., Melrose, MA, UNITED STATES

Gosselin, Michael, Melrose, MA, UNITED STATES  
PA Praecis Pharmaceuticals Inc., Waltham, MA (U.S. corporation)  
PI US 2002133001 A1 20020919  
AI US 2001-996357 A1 20011127 (9)  
PRAI US 2000-253302P 20001127 (60)  
US 2000-250198P 20001129 (60)  
US 2000-257186P 20001220 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2783  
INCL INCLM: 536/023.530  
INCLS: 530/391.100; 424/178.100; 435/069.100; 435/326.000; 435/320.100  
NCL NCLM: 536/023.530  
NCLS: 530/391.100; 424/178.100; 435/069.100; 435/326.000; 435/320.100  
IC [7]  
ICM: C07H021-04  
ICS: A61K039-395; C12P021-02; C12N005-06; C07K016-40  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 71 OF 99 USPATFULL on STN  
AN 2002:228305 USPATFULL  
TI TGF-alpha polypeptides, functional fragments and methods of use therefor  
IN Twardzik, Daniel R., Bainbridge Island, WA, UNITED STATES  
Pernet, Andre, Lake Forest, IL, UNITED STATES  
Felker, Thomas S., Vashon, WA, UNITED STATES  
Paskell, Stefan, Bainbridge Island, WA, UNITED STATES  
PA Stem Cell Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2002123465 A1 20020905  
AI US 2002-50190 A1 20020115 (10)  
RLI Continuation of Ser. No. US 2000-641587, filed on 17 Aug 2000, PENDING  
Continuation-in-part of Ser. No. US 2000-492935, filed on 27 Jan 2000,  
PENDING Continuation-in-part of Ser. No. US 1999-378567, filed on 19 Aug  
1999, PENDING  
DT Utility  
FS APPLICATION  
LN.CNT 2684  
INCL INCLM: 514/012.000  
NCL NCLM: 514/012.000  
IC [7]  
ICM: A61K038-19  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 72 OF 99 USPATFULL on STN  
AN 2002:227648 USPATFULL  
TI Methods for treating inflammation  
IN Stern, David M., Great Neck, NY, UNITED STATES  
Herold, Kevan, Scarsdale, NY, UNITED STATES  
Yan, Shi Du, Tenafly, NJ, UNITED STATES  
Schmidt, Ann Marie, Franklin Lakes, NJ, UNITED STATES  
Lamster, Ira, Wyckoff, NJ, UNITED STATES  
PI US 2002122799 A1 20020905  
AI US 2001-872185 A1 20010601 (9)  
PRAI WO 1999-US23303 19991006  
DT Utility  
FS APPLICATION  
LN.CNT 3215  
INCL INCLM: 424/143.100  
INCLS: 514/023.000; 514/044.000; 514/012.000  
NCL NCLM: 424/143.100  
NCLS: 514/023.000; 514/044.000; 514/012.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K038-17; A61K039-395; A61K031-70  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 73 OF 99 USPATFULL on STN  
AN 2002:224714 USPATFULL  
TI Human aminopeptidase  
IN Kapeller-Libermann, Rosana, Chestnut Hill, MA, United States  
White, David, Braintree, MA, United States  
Silos-Santiago, Immaculada, Cambridge, MA, United States  
PA Millenium Pharmaceuticals, Inc., Cambridge, MA, United States (U.S.  
corporation)  
PI US 6444802 B1 20020903  
AI US 1999-409180 19990930 (9)  
DT Utility



FS GRANTED  
LN.CNT 3847  
INCL INCLM: 536/023.200  
INCLS: 536/023.100; 435/069.100; 435/320.100; 435/325.000; 435/810.000;  
435/975.000  
NCL NCLM: 536/023.200  
NCLS: 435/069.100; 435/320.100; 435/325.000; 435/810.000; 435/975.000;  
536/023.100  
IC [7]  
ICM: C07H021-04  
ICS: C07H021-02; C12P021-06; C12N015-00; G01N033-53  
EXF 536/23.1; 536/23.2; 435/69.1; 435/320.1; 435/325; 435/810; 435/975  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 74 OF 99 USPATFULL on STN  
AN 2002:206610 USPATFULL  
TI 46508, a novel human peptidyl-tRNA hydrolase family member and uses  
thereof  
IN Glucksmann, Maria Alexandra, Lexington, MA, UNITED STATES  
Rudolph-Owen, Laura A., Jamaica Plain, MA, UNITED STATES  
PI US 2002111307 A1 20020815  
AI US 2001-888911 A1 20010625 (9)  
PRAI US 2000-213688P 20000623 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5043  
INCL INCLM: 514/012.000  
INCLS: 536/023.200; 435/199.000; 435/069.100; 435/325.000; 435/320.100;  
435/006.000  
NCL NCLM: 514/012.000  
NCLS: 536/023.200; 435/199.000; 435/069.100; 435/325.000; 435/320.100;  
435/006.000  
IC [7]  
ICM: A61K038-17  
ICS: C12Q001-68; C07H021-04; C12N009-22; C12P021-02; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 75 OF 99 USPATFULL on STN  
AN 2002:199081 USPATFULL  
TI Novel genes and expression products therefrom  
IN Chung, Ching Ming, Singapore, SINGAPORE  
Chan, Lily, Singapore, SINGAPORE  
Ou, Keli, Singapore, SINGAPORE  
Ong, Shao-En, Singapore, SINGAPORE  
Seow, Teck Keong, Singapore, SINGAPORE  
M.Y. Liang, Cynthia Rosa, Singapore, SINGAPORE  
Choong, Meng Ling, Singapore, SINGAPORE  
Tan, Li Kiang, Singapore, SINGAPORE  
PI US 2002107190 A1 20020808  
AI US 2001-788476 A1 20010221 (9)  
PRAI US 2000-185116P 20000225 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 1548  
INCL INCLM: 514/012.000  
INCLS: 536/023.200; 530/350.000; 435/226.000  
NCL NCLM: 514/012.000  
NCLS: 536/023.200; 530/350.000; 435/226.000  
IC [7]  
ICM: A61K038-17  
ICS: C07H021-04; C12N009-64  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 76 OF 99 USPATFULL on STN  
AN 2002:168258 USPATFULL  
TI .alpha.-sulfonylamino hydroxamic acid inhibitors of matrix  
metalloproteinases for the treatment of peripheral or central nervous  
system disorders  
IN Sahagan, Barbara G., Mystic, CT, United States  
Villalobos, Anabella, Niantic, CT, United States  
PA Pfizer Inc, New York, NY, United States (U.S. corporation)  
PI US 6417229 B1 20020709  
AI US 2000-671435 20000927 (9)  
PRAI US 1999-157083P 19991001 (60)  
DT Utility  
FS GRANTED

LN.CNT 1623  
INCL INCLM: 514/530.000  
INCLS: 514/330.000; 514/210.000; 514/562.000; 514/329.000; 514/459.000;  
514/248.000; 514/408.000; 514/231.200; 514/415.000  
NCL NCLM: 514/530.000  
NCLS: 514/210.170; 514/231.200; 514/248.000; 514/255.010; 514/329.000;  
514/330.000; 514/408.000; 514/415.000; 514/459.000; 514/562.000  
IC [7]  
ICM: A61K031-215  
ICS: A61K031-445; A61K031-395; A61K031-295; A61K031-405  
EXF 514/530; 514/330; 514/210; 514/562; 514/329; 514/459; 514/248; 514/408;  
514/231.2; 514/415  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 77 OF 99 USPATFULL on STN  
AN 2002:119846 USPATFULL  
TI Human G-protein Chemokine receptor (CCR5) HDGNR10  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Roschke, Viktor, Rockville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PI US 2002061834 A1 20020523  
AI US 2001-779880 A1 20010209 (9)  
PRAI US 2000-181258P 20000209 (60)  
US 2000-187999P 20000309 (60)  
US 2000-234336P 20000922 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 18667  
INCL INCLM: 514/001.000  
INCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100  
NCL NCLM: 514/001.000  
NCLS: 530/350.000; 536/023.500; 435/325.000; 435/320.100; 435/069.100  
IC [7]  
ICM: A61K031-00  
ICS: C07H021-04; C07K014-705; C12N005-06; C12P021-02  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 78 OF 99 USPATFULL on STN  
AN 2002:112868 USPATFULL  
TI COMPOSITIONS AND METHODS USING COMPLEXES OF CALRETICULIN AND ANTIGENIC  
MOLECULES  
IN GILBOA, ELI, DURHAM, NC, UNITED STATES  
NAIR, SMITA K., DURHAM, NC, UNITED STATES  
NICCHITTA, CHRISTOPHER V., DURHAM, NC, UNITED STATES  
PI US 2002058609 A1 20020516  
AI US 1999-261473 A1 19990226 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 2415  
INCL INCLM: 514/002.000  
INCLS: 530/300.000; 530/350.000  
NCL NCLM: 514/002.000  
NCLS: 530/300.000; 530/350.000  
IC [7]  
ICM: A01N037-18  
ICS: A61K038-00; A61K039-00; C07K002-00; C07K004-00; C07K005-00;  
C07K007-00; C07K014-00; C07K016-00; C07K017-00; C07K001-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 79 OF 99 USPATFULL on STN  
AN 2002:92268 USPATFULL  
TI Human G-protein Chemokine Receptor HDGNR10  
IN Rosen, Craig A., Laytonsville, MD, UNITED STATES  
Roschke, Viktor, Rockville, MD, UNITED STATES  
Li, Yi, Sunnyvale, CA, UNITED STATES  
Ruben, Steven M., Olney, MD, UNITED STATES  
PI US 2002048786 A1 20020425  
AI US 2001-779879 A1 20010209 (9)  
PRAI US 2000-181258P 20000209 (60)  
US 2000-187999P 20000309 (60)  
US 2000-234336P 20000922 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 17969  
INCL INCLM: 435/069.100

NCL INCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000  
NCLM: 435/069.100  
IC NCLS: 536/023.500; 424/130.100; 514/012.000; 435/007.200; 435/325.000  
[7]  
ICM: G01N033-53  
ICS: G01N033-567; A61K038-00; C07H021-04; C12P021-06; A61K039-395;  
C12N005-02; C12N005-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 80 OF 99 USPATFULL on STN  
AN 2002:57571 USPATFULL  
TI Humanized antibodies that bind to the antigen bound by antibody NR-LU-13  
IN Graves, Scott S., Monroe, WA, United States  
Reno, John M., Brier, WA, United States  
Mallett, Robert W., Everett, WA, United States  
Hylarides, Mark D., Stanwood, WA, United States  
Searle, Stephen M. J., Cambridge, UNITED KINGDOM  
Henry, Andrew H., Ely, UNITED KINGDOM  
Pedersen, Jan T., Bronshoj, DENMARK  
Rees, Anthony R., St. Chaptes, UNITED KINGDOM  
PA NeoRx Corporation, Seattle, WA, United States (U.S. corporation)  
PI US 6358710 B1 20020319  
AI US 1997-871488 19970609 (8)  
RLI Continuation-in-part of Ser. No. US 1996-660362, filed on 7 Jun 1996,  
now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 2463  
INCL INCLM: 435/070.100  
INCLS: 435/325.000; 435/330.000; 530/387.100; 424/130.100; 436/547.000  
NCL NCLM: 435/070.100  
NCLS: 424/130.100; 435/325.000; 435/330.000; 436/547.000; 530/387.100  
IC [7]  
ICM: C12P021-04  
EXF 424/130.1; 424/133.1; 424/134.1; 424/138.1; 424/139.1; 424/141.1;  
424/142.1; 424/174.1; 435/4; 435/325; 435/358; 435/330; 435/70.1;  
436/547; 530/387.1; 530/387.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 81 OF 99 USPATFULL on STN  
AN 2002:14093 USPATFULL  
TI Rodent models of human amyloidoses  
IN Snow, Alan D., Seattle, WA, United States  
PA University of Washington, Seattle, WA, United States (U.S. corporation)  
PI US 6340783 B1 20020122  
AI US 1996-723661 19961003 (8)  
RLI Division of Ser. No. US 1995-461216, filed on 5 Jun 1995, now patented,  
Pat. No. US 5958883 Continuation of Ser. No. US 1992-969734, filed on 23  
Oct 1992, now abandoned Continuation-in-part of Ser. No. US 1992-950417,  
filed on 23 Sep 1992, now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 4350  
INCL INCLM: 800/012.000  
INCLS: 514/008.000; 514/012.000; 435/040.500; 435/040.520  
NCL NCLM: 800/012.000  
NCLS: 435/040.500; 435/040.520; 514/008.000; 514/012.000  
IC [7]  
ICM: A01K067-00  
ICS: A61K038-00; A61K001-30; G01N001-30; G01N038-48  
EXF 424/9.1; 424/9.2; 435/7.8; 435/40.5; 435/40.52; 514/56; 514/8; 514/12;  
800/12; 800/3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 82 OF 99 USPATFULL on STN  
AN 2002:8237 USPATFULL  
TI 27960, a novel ubiquitin conjugating enzyme family member and uses  
therefor  
IN Meyers, Rachel A., Newton, MA, UNITED STATES  
Tsai, Fong-Ying, Newton, MA, UNITED STATES  
PI US 2002004236 A1 20020110  
AI US 2001-842528 A1 20010425 (9)  
PRAI US 2000-199500P 20000425 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 4951

INCL INCLM: 435/226.000  
INCLS: 435/069.100; 435/007.230; 435/325.000; 536/023.200; 514/007.000;  
514/044.000; 435/006.000  
NCL NCLM: 435/226.000  
NCLS: 435/069.100; 435/007.230; 435/325.000; 536/023.200; 514/007.000;  
514/044.000; 435/006.000  
IC [7]  
ICM: C12Q001-68  
ICS: A61K038-16; G01N033-574; C07H021-04; C12N009-64; C12P021-02;  
A61K048-00; C12N005-06  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 83 OF 99 USPATFULL on STN  
AN 2002:3852 USPATFULL  
TI Human cytokines  
IN Bandman, Olga, Mountain View, CA, UNITED STATES  
Hawkins, Phillip R., Mountain View, CA, UNITED STATES  
Murry, Lynn E., Portola Valley, CA, UNITED STATES  
Goli, Surya K., Sunnyvale, CA, UNITED STATES  
PA Incyte Pharmaceuticals, Inc. (U.S. corporation)  
PI US 2002001827 A1 20020103  
AI US 2001-782142 A1 20010212 (9)  
RLI Division of Ser. No. US 1997-792013, filed on 31 Jan 1997, GRANTED, Pat.  
No. US 6204021  
DT Utility  
FS APPLICATION  
LN.CNT 2255  
INCL INCLM: 435/069.500  
INCLS: 435/006.000; 530/351.000; 536/023.500; 435/007.920; 435/070.210  
NCL NCLM: 435/069.500  
NCLS: 435/006.000; 530/351.000; 536/023.500; 435/007.920; 435/070.210  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; C12P021-02; C07K014-52  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 84 OF 99 USPATFULL on STN  
AN 2001:237475 USPATFULL  
TI TRANSPLANTATION OF NEURAL CELLS FOR THE TREATMENT OF CHRONIC PAIN OR  
SPASTICITY  
IN DINSMORE, JONATHAN, BROOKLINE, MA, United States  
SIEGAN, JULIE, BOSTON, MA, United States  
PI US 2001055587 A1 20011227  
US 6444205 B2 20020903  
AI US 1998-163684 A1 19980930 (9)  
DT Utility  
FS APPLICATION  
LN.CNT 1775  
INCL INCLM: 424/093.700  
INCLS: 424/423.000; 435/368.000  
NCL NCLM: 424/093.700  
IC [7]  
ICM: A01N063-00  
ICS: A01N065-00; C12N005-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 85 OF 99 USPATFULL on STN  
AN 2001:185549 USPATFULL  
TI Infection of human neural xenografts  
IN Epstein, Leon G., 80 Council Rock Ave., Rochester, NY, United States  
14610  
Del Cerro, Manuel, 13 Tall Acres Dr., Pittsford, NY, United States  
14534  
Blumberg, Benjamin M., 32 Calumet St., Rochester, NY, United States  
14610  
PI US 6307122 B1 20011023  
AI US 1992-965901 19921023 (7)  
RLI Continuation-in-part of Ser. No. US 1991-786449, filed on 1 Nov 1991  
DT Utility  
FS GRANTED  
LN.CNT 829  
INCL INCLM: 800/011.000  
INCLS: 800/003.000; 800/018.000; 424/009.000; 424/093.100  
NCL NCLM: 800/011.000  
NCLS: 424/093.100; 800/003.000; 800/018.000  
IC [7]

ICM: A01N063-00  
EXF 424/9; 424/93; 424/570; 424/571; 424/520; 424/582; 424/578; 800/2;  
800/DIG.2; 800/DIG.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 86 OF 99 USPATFULL on STN  
AN 2001:163053 USPATFULL  
TI \*\*\*Porcine\*\*\* neural cells and their use in treatment of  
neurological deficits due to neurodegenerative diseases  
IN Isacson, Ole, Cambridge, MA, United States  
Dinsmore, Jonathan, Brookline, MA, United States  
PA The McLean Hospital Corporation, Belmont, MA, United States (U.S.  
corporation)  
Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)  
PI US 6294383 B1 20010925  
AI US 1995-424851 19950419 (8)  
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,  
now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 4123  
INCL INCLM: 435/379.000  
INCLS: 435/325.000  
NCL NCLM: 435/379.000  
NCLS: 435/325.000  
IC [7]  
ICM: C12N005-00  
ICS: C12N005-02  
EXF 435/240.1; 435/240.2; 435/325; 435/379  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 87 OF 99 USPATFULL on STN  
AN 2001:136181 USPATFULL  
TI \*\*\*Porcine\*\*\* neural cells and their use in treatment of  
neurological deficits due to neurodegenerative diseases  
IN Fraser, Thomas, Newton, MA, United States  
Dinsmore, Jonathan, Brookline, MA, United States  
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)  
PI US 6277372 B1 20010821  
AI US 1995-424855 19950419 (8)  
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,  
now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 4112  
INCL INCLM: 424/093.700  
INCLS: 424/093.100; 435/325.000  
NCL NCLM: 424/093.700  
NCLS: 424/093.100; 435/325.000  
IC [7]  
ICM: A01N063-00  
ICS: C12N005-02; C12N005-06  
EXF 435/325; 424/93.1; 424/93.7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 88 OF 99 USPATFULL on STN  
AN 2001:107439 USPATFULL  
TI \*\*\*Porcine\*\*\* neural cells and their use in treatment of  
neurological deficits due to neurodegenerative diseases  
IN Isacson, Ole, Cambridge, MA, United States  
Dinsmore, Jonathan, Brookline, MA, United States  
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)  
PI US 6258353 B1 20010710  
AI US 1995-554779 19951107 (8)  
RLI Continuation-in-part of Ser. No. US 1995-424851, filed on 19 Apr 1995  
Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,  
now abandoned  
DT Utility  
FS GRANTED  
LN.CNT 5157  
INCL INCLM: 424/093.100  
INCLS: 424/093.700; 424/130.100; 424/143.100; 424/809.000; 435/325.000;  
435/368.000  
NCL NCLM: 424/093.100  
NCLS: 424/093.700; 424/130.100; 424/143.100; 424/809.000; 435/325.000;  
435/368.000

IC [7]  
ICM: A01N003-00  
ICS: C12N015-85; C12N015-86; A61K039-395  
EXF 424/93.7; 424/93.1; 424/130.1; 424/143.1; 424/809; 435/325; 435/368  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 89 OF 99 USPATFULL on STN  
AN 2001:40268 USPATFULL  
TI \*\*\*Porcine\*\*\* cortical cells and their use in treatment of  
neurological deficits due to neurodegenerative diseases  
IN Dinsmore, Jonathan, Brookline, MA, United States  
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)  
PI US 6204053 B1 20010320  
AI US 1995-424856 19950419 (8)  
RLI Continuation-in-part of Ser. No. US 1994-336856, filed on 8 Nov 1994,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 3891  
INCL INCLM: 435/325.000  
INCLS: 424/093.700; 435/374.000  
NCL NCLM: 435/325.000  
NCLS: 424/093.700; 435/374.000  
IC [7]  
ICM: C12N005-00  
EXF 435/240.2; 435/325; 435/374; 424/93.7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 90 OF 99 USPATFULL on STN  
AN 2001:40236 USPATFULL  
TI DNA encoding a cytokine  
IN Bandman, Olga, Mountain View, CA, United States  
Hawkins, Phillip R., Mountain View, CA, United States  
Murry, Lynn E., Portola Valley, CA, United States  
Goli, Surya K., Sunnyvale, CA, United States  
PA Incyte Genomics, Inc., Palo Alto, CA, United States (U.S. corporation)  
PI US 6204021 B1 20010320  
AI US 1997-792013 19970131 (8)  
DT Utility  
FS Granted  
LN.CNT 2010  
INCL INCLM: 435/069.500  
INCLS: 435/069.100; 435/252.300; 435/320.100; 435/006.000; 536/023.500;  
536/024.300  
NCL NCLM: 435/069.500  
NCLS: 435/006.000; 435/069.100; 435/252.300; 435/320.100; 536/023.500;  
536/024.300  
IC [7]  
ICM: C12N015-00  
EXF 536/23.5; 536/24.3; 435/69.5; 435/320.1; 435/252.3; 435/6  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 91 OF 99 USPATFULL on STN  
AN 2001:25919 USPATFULL  
TI Compositions and methods for the treatment of Alzheimer's disease,  
central nervous system injury, and inflammatory diseases  
IN Landreth, Gary, Shaker Heights, OH, United States  
Combs, Colin, University Heights, OH, United States  
Silver, Jerry, Bay Village, OH, United States  
Fitch, Michael T., S. Euclid, OH, United States  
PA Case Western Reserve University, Cleveland, OH, United States (U.S.  
corporation)  
PI US 6191154 B1 20010220  
AI US 1998-200700 19981127 (9)  
DT Utility  
FS Granted  
LN.CNT 3048  
INCL INCLM: 514/369.000  
INCLS: 365/372.000; 365/367.000  
NCL NCLM: 514/369.000  
NCLS: 514/365.000; 514/367.000; 514/372.000  
IC [7]  
ICM: A61K031-425  
EXF 514/367; 514/369-372; 514/365  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 92 OF 99 USPATFULL on STN  
AN 2000:146162 USPATFULL  
TI Isolated and modified \*\*\*porcine\*\*\* cerebral cortical cells  
IN Dinsmore, Jonathan, Brookline, MA, United States  
PA Diacrin, Inc., Charlestown, MA, United States (U.S. corporation)  
PI US 6140116 20001031  
AI US 1995-551820 19951107 (8)  
RLI Continuation-in-part of Ser. No. US 1995-424856, filed on 19 Apr 1995  
which is a continuation-in-part of Ser. No. US 1995-336856, filed on 8  
Nov 1995, now abandoned  
DT Utility  
FS Granted  
LN.CNT 5001  
INCL INCLM: 435/325.000  
INCLS: 435/374.000; 424/093.700  
NCL NCLM: 435/325.000  
NCLS: 424/093.700; 435/374.000  
IC [7]  
ICM: C12N005-00  
EXF 435/325; 435/374; 435/93.7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 93 OF 99 USPATFULL on STN  
AN 2000:77196 USPATFULL  
TI ShK toxin compositions and methods of use  
IN Kem, William R., Gainesville, FL, United States  
Pennington, Michael W., Cherry Hill, NJ, United States  
Norton, Raymond S., Ivanhoe, Australia  
Chandy, K. George, Laguna Beach, CA, United States  
Kalman, Katalin, Irvine, CA, United States  
PA The University of Florida, Gainesville, FL, United States (U.S.  
corporation)  
Bachem Bioscience, Ing., King of Prussia, PA, United States (U.S.  
corporation)  
Biomolecular Research Institute, Parkville, Australia (non-U.S.  
corporation)  
Regents of the University of California, Oakland, CA, United States  
(U.S. corporation)  
PI US 6077680 20000620  
AI US 1997-980858 19971126 (8)  
PRAI US 1996-59126P 19961127 (60)  
DT Utility  
FS Granted  
LN.CNT 5831  
INCL INCLM: 435/007.240  
INCLS: 514/012.000; 514/009.000; 514/002.000; 424/185.100; 530/300.000;  
530/324.000; 530/855.000  
NCL NCLM: 435/007.240  
NCLS: 424/185.100; 514/002.000; 514/009.000; 514/012.000; 530/300.000;  
530/324.000; 530/855.000  
IC [7]  
ICM: G01N033-566  
ICS: A61K038-17; C07K014-435; A01N037-20  
EXF 514/12; 514/2; 514/9; 530/300; 530/324; 530/855; 424/185.1; 435/7.24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 94 OF 99 USPATFULL on STN  
AN 2000:15517 USPATFULL  
TI Regulatory genetic DNA that regulates the Class II transactivator  
(CIITA)  
IN Ting, Jenny Pan-Yun, Chapel Hill, NC, United States  
Piskurich, Janet, Chapel Hill, NC, United States  
PA University of North Carolina at Chapel Hill, Chapel Hill, NC, United  
States (U.S. corporation)  
PI US 6022741 20000208  
AI US 1997-816617 19970313 (8)  
DT Utility  
FS Granted  
LN.CNT 1420  
INCL INCLM: 435/366.000  
INCLS: 435/243.000; 435/320.100; 435/325.000; 435/410.000; 536/023.100;  
536/024.100  
NCL NCLM: 435/366.000  
NCLS: 435/243.000; 435/320.100; 435/325.000; 435/410.000; 536/023.100;  
536/024.100  
IC [6]

ICM: C12N005-08  
ICS: C12N001-00; C12N005-10; C12N015-11  
EXF 536/24.1; 536/23.1; 435/320.1; 435/325; 435/410; 435/366; 435/243  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 95 OF 99 USPATFULL on STN  
AN 1999:117454 USPATFULL  
TI Animal models of human amyloidoses  
IN Snow, Alan D., Seattle, WA, United States  
PA Board of Regents of the University of Washington Office of Technology,  
Seattle, WA, United States (U.S. corporation)  
PI US 5958883 19990928  
AI US 1995-461216 19950605 (8)  
RLI Continuation of Ser. No. US 1992-969734, filed on 23 Oct 1992, now  
abandoned which is a continuation-in-part of Ser. No. US 1992-950417,  
filed on 23 Sep 1992, now abandoned  
DT Utility  
FS Granted  
LN.CNT 4323  
INCL INCLM: 514/016.000  
INCLS: 514/017.000; 530/328.000; 530/329.000  
NCL NCLM: 514/016.000  
NCLS: 514/017.000; 530/328.000; 530/329.000  
IC [6]  
ICM: A61K038-08  
ICS: C07K007-06  
EXF 514/16; 514/17; 530/300; 530/328; 530/329  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 96 OF 99 USPATFULL on STN  
AN 1999:15676 USPATFULL  
TI Inhibition of phospholipase A.sub.2 to reduce neuronal cell death  
IN Rydel, Russell E., Belmont, CA, United States  
Dappen, Michael S., San Bruno, CA, United States  
PA Athena Neurosciences, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
PI US 5866318 19990202  
AI US 1995-476463 19950607 (8)  
DT Utility  
FS Granted  
LN.CNT 1425  
INCL INCLM: 435/004.000  
INCLS: 435/006.000; 435/325.000; 435/375.000; 435/377.000  
NCL NCLM: 435/004.000  
NCLS: 435/006.000; 435/325.000; 435/375.000; 435/377.000  
IC [6]  
ICM: C12Q001-00  
ICS: C12Q001-68; C12N005-06  
EXF 435/29; 435/240.2; 435/69.1; 435/4; 435/6; 435/7.21; 435/3.25; 435/3.75;  
435/3.77; 514/603  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 97 OF 99 USPATFULL on STN  
AN 1998:134839 USPATFULL  
TI Method of producing proteins using mammalian lung cell lines  
IN Mather, Jennie P., Millbrae, CA, United States  
Roberts, Penelope E., Millbrae, CA, United States  
PA Genentech, Inc., South San Francisco, CA, United States (U.S.  
corporation)  
PI US 5830685 19981103  
WO 9112317 19910822  
AI US 1992-910260 19920716 (7)  
WO 1991-US878 19910208  
19920716 PCT 371 date  
19920716 PCT 102(e) date  
RLI Continuation-in-part of Ser. No. US 1990-479130, filed on 9 Feb 1990,  
now abandoned  
DT Utility  
FS Granted  
LN.CNT 1207  
INCL INCLM: 435/069.100  
INCLS: 435/070.100; 435/070.300; 435/325.000; 435/408.000; 435/069.400;  
530/350.000; 530/399.000; 530/412.000  
NCL NCLM: 435/069.100  
NCLS: 435/069.400; 435/070.100; 435/070.300; 435/325.000; 435/366.000;  
435/408.000; 530/350.000; 530/399.000; 530/412.000



IC [6]  
ICM: C12N015-63  
ICS: C12N021-00; C12N005-06; C07K001-00  
EXF 435/69.1; 435/240.2; 435/320.1; 435/172.1; 435/172.2; 435/172.3;  
435/240.1; 435/69.4; 435/325; 435/366; 435/408; 435/70.1; 435/70.3;  
536/23.1; 536/23.4; 536/23.5; 536/23.51; 530/350; 530/398; 530/399

L9 ANSWER 98 OF 99 USPATFULL on STN  
AN 1998:4424 USPATFULL  
TI Identification of phospholipase A2 inhibitors in A.beta.  
peptide-mediated neurodegenerative disease  
IN Rydel, Russell E., Belmont, CA, United States  
Dappen, Michael S., San Bruno, CA, United States  
PA Athena Neurosciences, Inc., San Francisco, CA, United States (U.S.  
corporation)

PI US 5707821 19980113  
AI US 1995-476464 19950607 (8)  
DT Utility  
FS Granted

LN.CNT 1580

INCL INCLM: 435/018.000  
INCLS: 435/004.000; 514/012.000

NCL NCLM: 435/018.000  
NCLS: 435/004.000; 514/012.000

IC [6]  
ICM: C12Q001-34  
ICS: A61K000-00

EXF 514/12; 435/18; 435/4

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L9 ANSWER 99 OF 99 USPATFULL on STN  
AN 94:99840 USPATFULL  
TI Method of isolating lung cell line  
IN Mather, Jennie P., Millbrae, CA, United States  
Roberts, Penelope E., Millbrae, CA, United States  
PA Genentech, Inc., S. San Francisco, CA, United States (U.S. corporation)

PI US 5364785 19941115  
AI US 1993-60466 19930511 (8)

RLI Continuation of Ser. No. US 1992-919994, filed on 27 Jul 1992, now  
abandoned which is a continuation of Ser. No. US 1990-479130, filed on 9  
Feb 1990, now abandoned

DT Utility  
FS Granted

LN.CNT 798

INCL INCLM: 435/240.200  
INCLS: 435/004.000; 435/006.000; 435/029.000; 435/032.000; 435/172.100;  
435/172.200; 435/172.300; 435/240.000; 435/031.000; 435/070.100

NCL NCLM: 435/378.000  
NCLS: 435/004.000; 435/006.000; 435/029.000; 435/032.000; 435/070.100;  
435/391.000

IC [5]  
ICM: C12N005-00  
ICS: C12N015-00; C12P021-02; C12Q001-00

EXF 435/6; 435/29; 435/32; 435/172.1; 435/172.2; 435/172.3; 435/240.31;  
435/4; 435/70.1; 435/948; 435/240.2

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